

# Recombinant Mouse Plasma protease C1 inhibitor(Serping1),partial

Catalog No: #AP70768

Package Size: #AP70768-1 20ug #AP70768-2 100ug #AP70768-3 1mg

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## Description

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name          | Recombinant Mouse Plasma protease C1 inhibitor(Serping1),partial                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Host Species          | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Purification          | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Immunogen Description | Expression Region:31-503aaSequence Info:Partial                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Other Names           | C1 esterase inhibitorC1-inhibiting factorSerpin G1                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Accession No.         | P97290                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Calculated MW         | 56.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Tag Info              | N-terminal 6xHis-tagged                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Target Sequence       | TQDPLEAQAKSRESFPERDDSWSPPEPTVLPSTWPTTSVAITITNDTMGKVANESFSQHSQPAAQLPTDSPG<br>QPPLNSSSQPSTASDLPTQATTEPFCPEPLAQCSDDSDRSSEAKLSEALTDFSVKLYHAFSATKMAKTNMAFS<br>PFSIASLLTQVLLGAGDSTKSNLESILSYPKDFACVHQALKGFSSKGVTSVSQIFHSPDLAIRDTYVNASQSLYG<br>SSPRVLGPDSAANLELINTWVAENTNHKIRKLLDSLPSDTCVLVNAVYLSAKWKITFEPPKMMAPFFYKNSMIK<br>VPMSSVKYPVAQFDDHTLKAKVGQLQLSHNLSFVIVVPVFPKHQLKDVEKALNPTVFKAIMKKLELSKFLPTY<br>LTMPHIKVKSSQDMLSVMEKLEFFDFTYDLNLCGLTEDPDLQVSAMKHETVLELTESGVEAAAASAI SFG RSLP<br>IFEVQRPFLLWDQQRFPVFMGRVYDPR |
| Formulation           | Tris-based buffer50% glycerol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Storage               | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br><br>Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.                                                                                                                |

## Background

Activation of the C1 complex is under control of the C1-inhibitor. It forms a proteolytically inactive stoichiometric complex with the C1r or C1s proteases. May play a potentially crucial role in regulating important physiological pathways including complement activation, blood coagulation, fibrinolysis and the generation of kinins. Very efficient inhibitor of FXIIa. May inhibit chymotrypsin and kallikrein.

## References

Enhanced analysis of the mouse plasma proteome using cysteine-containing tryptic glycopeptides.Bernhard O.K., Kapp E.A., Simpson R.J.J.  
Proteome Res. 6:987-995(2007)Research Topic:Others

Note: This product is for in vitro research use only and is not intended for use in humans or animals.