# Recombinant Cavia porcellus Saposin-C

Catalog No: #AP72739

Package Size: #AP72739-1 20ug #AP72739-2 100ug #AP72739-3 1mg

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## Description

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|---|---|
| Product Name | Recombinant Cavia porcellus Saposin-C |
| Brief Description | Recombinant Protein |
| Host Species | Yeast |
| Purification | Greater than 90% as determined by SDS-PAGE. |
| Immunogen Description | Expression Region:1-81aaSequence Info:Full Length |
| Other Names | Co-beta-glucosidaseGlucosylceramidase activatorSphingolipid activator protein 2 ;SAP-2 |
| Accession No. | P20097 |
| Uniprot | P20097 |
| Calculated MW | 10.9 kDa |
| Tag Info | N-terminal 6xHis-tagged |
| Target Sequence | ESVTCKACEYVVKKVMELIDNNRTEEKIIHALDSVCALLPESVSEVCQEVVDTYGDSIVALLLQEMSPELVCSELGLCMSG |
| 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>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

Saposin-A and saposin-C stimulate the hydrolysis of glucosylceramide by beta-glucosylceramidase (EC 3.2.1.45) and galactosylceramide by beta-galactosylceramidase (EC 3.2.1.46). Saposin-C apparently acts by combining with the enzyme and acidic lipid to form an activated complex, rather than by solubilizing the substrate.

## References

The activator protein for glucosylceramide beta-glucosidase from guinea pig liver. Improved isolation method and complete amino acid sequence.Sano A., Radin N.S., Johnson L.L., Tarr G.E.J. Biol. Chem. 263:19597-19601(1988)Research Topic:Metabolism

Note: This product is for in vitro research use only