

Recombinant rat Plasma kallikrein

Catalog No: #AP72638



Package Size: #AP72638-1 20ug #AP72638-2 100ug #AP72638-3 1mg

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Description

| | |
|-----------------------|---|
| Product Name | Recombinant rat Plasma kallikrein |
| Brief Description | Recombinant Protein |
| Host Species | Yeast |
| Purification | Greater than 90% as determined by SDS-PAGE. |
| Immunogen Description | Expression Region:391-638aaSequence Info:Partial |
| Other Names | Fletcher factorKininogenin;Plasma prekallikrein |
| Accession No. | P14272 |
| Uniprot | P14272 |
| Calculated MW | 29.8 kDa |
| Tag Info | N-terminal 6xHis-tagged |
| Target Sequence | IVGGTNSSLGEWPWQVSLQVKLVSQNHMCGGSIIGRQWILTAAHCFDGIPIYDPVWRIYGGILNLSEITNKTPFS SIKELIIHQYKMSEGSYDIALIKLQTPLNYTEFQKPICLPSKADTNTIYTNCWVTGWGYTKERGETQNILQKATI PLVPNEECQKKYRDYVITKQMICAGYKEGGIDACKGDSGGPLVCKHSGRWQLVGITSWGEGCARKEQPGVY TKVAEYIDWILEKIQSSKERALETSPA |
| 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. 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

The enzyme cleaves Lys-Arg and Arg-Ser bonds. It activates, in a reciprocal reaction, factor XII after its binding to a negatively charged surface. It also releases bradykinin from HMW kininogen and may also play a role in the renin-angiotensin syst by converting prorenin into renin.

References

Gene structure and chromosomal localization of plasma kallikrein.Beaubien G., Rosinski-Chupin I., Mattei M.-G., Mbikay M., Chretien M., Seidah N.G.Biochemistry 30:1628-1635(1991)Research Topic:Others

Note: This product is for in vitro research use only