

Recombinant Rat Plasma kallikrein(Klk1)

Catalog No: #AP70476

Package Size: #AP70476-1 20ug #AP70476-2 100ug #AP70476-3 1mg

Description

Product Name	Recombinant Rat Plasma kallikrein(Klk1)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:391-638aaSequence Info:Full Length
Other Names	Fletcher factorKininogenin;Plasma prekallikrein
Accession No.	P14272
Calculated MW	31.8 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	IVGGTNSSLGEWPWQVSLQVKLVSNHMCSSIGRQWILTAHCFDGIYPDVWRIYGGILNLSEITNKTPFS SIKELIIHQKYKMSSESYDIALIKLTPLNYTEFQKPICLPSKADTNTIYTNCWVTGWGYTKERGETQNILQKATI 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 and is not intended for use in humans or animals.