

Recombinant human Kallikrein-7 protein

Catalog No: #AP72637



Package Size: #AP72637-1 20ug #AP72637-2 100ug #AP72637-3 1mg

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Description

Product Name	Recombinant human Kallikrein-7 protein
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:28-253aaSequence Info:Full Length
Other Names	Serine protease 6Stratum corneum chymotryptic enzyme ;hSCCE
Accession No.	P49862
Uniprot	P49862
GeneID	5650;
Calculated MW	26.7 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	DKIIDGAPCARGSHPWQVALLSGNQLHCGGVLVNERWVLTAAHCKMNEYTVHLGSDTLGDRAARIKASKSF RHPGYSTQTHVNDLMLVKLNSQARLSSMVKKVRLPSRCEPPGTTCTVSGWGTTTSPDVTFPSDLMCVDVKLI SPQDCTKVYKDLENSMLCAGIPDSKKNACNGDSSGGPLVCRGTLQGLVSWGTFPCGQPNDPGVYTQVCKFT KWINDTMKKHR
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

May catalyze the degradation of intercellular cohesive structures in the cornified layer of the skin in the continuous shedding of cells from the skin surface. Specific for amino acid residues with aromatic side chains in the P1 position. Cleaves insulin A chain at '14-Tyr-|-Gln-15' and insulin B chain at '6-Leu-|-Cys-7', '16-Tyr-|-Leu-17', '25-Phe-|-Tyr-26' and '26-Tyr-|-Thr-27'. Could play a role in the activation of precursors to inflammatory cytokines.

References

Cloning, expression, and characterization of stratum corneum chymotryptic enzyme. A skin-specific human serine proteinase.Hansson L., Stroemqvist M., Baeckman A., Wallbrandt P., Carlstein A., Egelrud T.J. Biol. Chem. 269:19420-19426(1994)Research Topic:Cancer

Note: This product is for in vitro research use only