

Recombinant Human Kallikrein-7(KLK7)

Catalog No: #AP70474

Package Size: #AP70474-1 20ug #AP70474-2 100ug #AP70474-3 1mg

Description

Product Name	Recombinant Human Kallikrein-7(KLK7)
Host Species	E.coli
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
Calculated MW	51.7 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	DKIIDGAPCARGSHPWQVALLSGNQLHCGGVLVNERWVLTAAHCKMNEYTVHLGSDTLGDRRAQRIKASKSF RHPGYSTQTHVNDLMLVLKLSQARLSSMVKKVRLPSRCEPPGTTCTVSGWGTTTSPDVTFPSDLMCVDVKLI SPQDCTKVYKDLLNSMLCAGIPDSKKKNACNGDSGGPLVCRGTLQGLVSWGTFPCGQPNPDGYYTQVCKFT 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

Vaspin inhibits kallikrein 7 by serpin mechanism.Heiker J.T., Kloting N., Kovacs P., Kuettner E.B., Strater N., Schultz S., Kern M., Stumvoll M., Blüher M., Beck-Sickingher A.G.Cell. Mol. Life Sci. 70:2569-2583(2013) Research Topic:Cancer

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