

Recombinant Human Kallikrein-1(KLK1)

Catalog No: #AP70473

Package Size: #AP70473-1 20ug #AP70473-2 100ug #AP70473-3 1mg

Description

Product Name	Recombinant Human Kallikrein-1(KLK1)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:25-262aaSequence Info:Full Length
Other Names	Kidney,pancreas,salivary gland kallikrein;Tissue kallikrein
Accession No.	P06870
Calculated MW	42.4 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	IVGGWECEQHSQPWQAALYHFSTFQCGGILVHRQWVLTAAHCISDNYQLWLGRHNLFDDENTAQFVHVSES FPHPGFNMSLLENHTRQADEDYSHDLMLLRLEPADTITDAVKVVELPTEEPEVGSTCLASGWGSIEPENFSF PDDLQCVDLKILPNDECKKAHVQKVTDFMLCVGHLEGGKDTCVGDSGGPLMCDGVLQGVTSWGYVPCGTP NKPSVAVRVL SYVKWIEDTIAENS
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

Glandular kallikreins cleave Met-Lys and Arg-Ser bonds in kininogen to release Lys-bradykinin.

References

Nucleotide sequence of cloned cDNA for human pancreatic kallikrein.Fukushima D., Kitamura N., Nakanishi S.Biochemistry
 24:8037-8043(1985)Research Topic:Cancer

Published Papers

el at., Human Tissue Kallikrein 1 Is Downregulated in Elderly Human Prostates and Possesses Potential In Vitro Antioxidative and Antifibrotic Effects in Rodent Prostates. In Oxid Med Cell Longev on 2021 Apr 30 by Mengyang Zhang, Changcheng Luo,et al..PMID:34007408, , (2021)
[PMID:34007408](https://pubmed.ncbi.nlm.nih.gov/34007408/)

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