

Kallikrein-5 Recombinant Protein | KLK5 recombinant protein

Recombinant Human Kallikrein-5

CATALOG # AAA38955	HOST E Coli
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PRODUCT SYNONYMS

Kallikrein-5; Recombinant Human Kallikrein-5; KLK5 Human; Kallikrein-5 Human Recombinant; Kallikrein-like protein 2; KLK-L2; Stratum corneum tryptic enzyme; KLK5; SCTE; UNQ570/PRO1132; KLKL2; KLK5 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90.0% as determined by SDS-PAGE.
Form/Format	Sterile filtered clear solution. The KLK5 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 2M Urea and 20% glycerol.
Sequence	<u>MGSSHHH HHHSSGLVPR GSHMGSHM u>IINGSDCD MHTQPWQAAL LLRPNQLYCG AVLVHPQWLL TAAHCRKKVF RVRLGHYSLS PVYESGQQMF QGVKSIPHPG YSHPGHSNDL MLIKLNRRIR PTKDVRPINV SSHCPSAGTK CLVSGWGTTK SPQVHFVKVL QCLNISVLSQ KRCEDAYPRQ IDDTMFCAGD KAGRDESCQGD SGGPVVCNGS LQGLVSWG DY PCARPNRPGV YTNLCKFTKW IQETIQANS.</u>
Sequence Length	293
Preparation and Storage	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for KLK5 recombinant protein	Description: KLK5 Human Recombinant produced in E Coli is a single, non-glycosylated polypeptide chain containing 252 amino acids (67-293) and having a molecular mass of 27.8kDa. KLK5 is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Introduction: Kallikrein-5 (KLK5) is a member of the serine protease family of proteolytic enzymes. KLK5 is expressed in various tissues including the salivary gland, stomach, uterus, lung, thymus, prostate, colon, brain, thyroid, and trachea. KLK5 expression is up-regulated by estrogens and progestins. KLK5 is secreted and may be involved in desquamation in the epidermis. Kallikreins which are a subgroup of serine proteases, have distinct physiological functions. Many kallikreins are associated with carcinogenesis and some have potential as novel cancer and other disease biomarkers. The KLK5 gene is one of the 15 kallikrein subfamily members located in a cluster on chromosome 19.
Product Categories/Family for KLK5 recombinant protein	Enzymes; Kallikrein

NCBI AND UNIPROT INFORMATION

NCBI GI #	117306172
NCBI GeneID	25818
NCBI Accession #	NP_001070959.1
NCBI GenBank Nucleotide #	NM_001077491.1

UniProt Accession #	Q9Y337; Q53ZR3; Q9HBG8
NCBI Official Full Name	kallikrein-5 preproprotein
NCBI Official Synonym Full Names	kallikrein-related peptidase 5
NCBI Official Symbol	KLK5
NCBI Official Synonym Symbols	SCTE; KLKL2; KLK-L2
NCBI Protein Information	kallikrein-5; kallikrein 5; kallikrein-like protein 2; stratum corneum tryptic enzyme
UniProt Protein Name	Kallikrein-5
UniProt Gene Name	KLK5
UniProt Synonym Gene Names	SCTE; KLK-L2
UniProt Entry Name	KLK5_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/klk5-recombinant-protein-e-coli/38955>