

KLK5 recombinant protein

KLK5, 67-293aa, Human, His-tag, Baculovirus

CATALOG # AAA48931	HOST Baculovirus	APPLICATIONS SDS-Page
------------------------------	----------------------------	---------------------------------

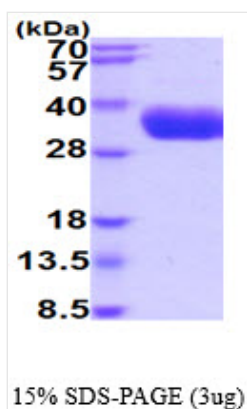
PRODUCT SYNONYMS

KLK5; 67-293aa; Human; His-tag; Baculovirus; Kallikrein-5; KLK-L2; KLKL2; SCTE; KLK5 recombinant protein

PRODUCT SPECIFICATIONS

Host	Baculovirus
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In phosphate buffered saline (pH 7.4) containing 10% glycerol.
Concentration	0.5 mg/ml (determined by Absorbance at 280nm) (varies by lot)
Sequence	ADLIINGSDC DMHTQPWQAA LLLRPNQLYC GAVLVHPQWL LTAHCRKKV FRVRLGHYSL SPVYESGQQM FQGVKSIPHP GYSHPGHSND LMLIKLNRRI RPTKDVRPIN VSSHCPSAGT KCLVSGWGTT KSPQVHFPKV LQCLNISVLS QKRCEDAYPR QIDDTMFCAG DKAGRDSCQG DSGGPVVCNG SLQGLVSWGD YPCARPNRPG VYTNLCKFTK WIQETIQANS HHHHHH
Sequence Length	67-293
Applicable Applications for KLK5 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Endotoxin Level	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Preparation and Storage	Can be store at 2-8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

ADDITIONAL INFORMATION

Related Product Information for KLK5 recombinant protein	KLK5, also known as kallikrein-5, is one of the newly identified members of the kallikrein gene family, which is a subgroup of the serine protease enzyme family. It is highly expressed in skin, mammary gland and testis. KLK5 has been suggested to regulate cell shedding (desquamation) in conjunction with KLK7 and KLK14, given its ability to degrade proteins which form the extracellular component of cell junctions in the stratum corneum. It is proposed that KLK5 regulates this process since it is able to self-activate in addition to activating KLK7 and KLK14. Recombinant human KLK5, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Product Categories/Family for KLK5 recombinant protein	Signal Transduction ; Enzymes & Proteases ; Cytoskeleton
References	Kim H., et al. (2001) Br J Cancer. 84:643-650.; Pampalakis G., et al. (2014) Oncotarget. 5:2390-2403.

NCBI AND UNIPROT INFORMATION

NCBI GI #	117306176
NCBI GeneID	25818
NCBI Accession #	NP_001070960
NCBI GenBank Nucleotide #	NM_001077492.1
UniProt Accession #	Q9Y337 ; Q53ZR3 ; Q9HBG8 ; A0A024R4G4
Molecular Weight	26.2 kDa (236aa)
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
UniProt Protein Name	Kallikrein-5
UniProt Gene Name	KLK5
UniProt Synonym Gene Names	KLK-L2

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.