

Kallikrein 10 Recombinant Protein | KLK10 recombinant protein

Recombinant Kallikrein 10

CATALOG # AAA48312	HOST Baculovirus	APPLICATIONS SDS-Page
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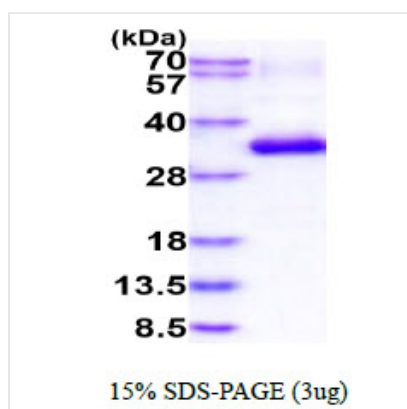
PRODUCT SYNONYMS

Kallikrein 10; Recombinant Kallikrein 10; Kallikrein-10; NES1; PRSSL1; KLK10 recombinant protein

PRODUCT SPECIFICATIONS

Host	Baculovirus
Purity/Purification	>90% by SDS-PAGE
Form/Format	Liquid; In 20mM Tris-HCl (pH 8.0), Containing 0.15M NaCl, 1mM DTT, 30% Glycerol.
Concentration	0.5mg/ml (determined by Absorbance at 280nm) (varies by lot)
Sequence Positions	34-276aa
Sequence	ADPALLPQND TRLDPEAYGS PCARGSQPWQ VSLFNGLSFH CAGVLVDQSW VLTAAHCGNK PLWARVGDDH LLLLQGEQLR RTTRSVVHPK YHQGSGPILP RRTDEHDLML LKLARPVVLG PRVRALQLPY RCAQPGDQCQ VAGWGTTAAR RVKYNKGLTC SSITILSPKE CEVFYPGVVT NNMICAGLDR GQDPCQSDSG GPLVCDLTLQ GILSWGVPYC GSAQHPAVYT QICKYMSWIN KVIRSNHHHH HH
Sequence Length	276
Applicable Applications for KLK10 recombinant protein	SDS-PAGE
Species	Human
Endotoxin	<1.0 EU per 1ug of protein (determined by LAL method)
Tag	His-Tag
Preparation and Storage	Can be stored at 2 degree C to 8 degree C for 1 week. For long term storage, aliquot and store at -20 degree C to -80 degree 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 KLK10 recombinant protein	KLK10, also known as kallikrein-10, is belong to the subgroup of serine proteases encompassing fifteen homologous members. This protein is widely expressed in normal human organs, for example breast, prostate, thyroid, testis, ovary, and gastrointestinal tract. Interestingly, it is highly expressed in the islets of Langerhans in human pancreas. Also, it is detectable in many biological fluids, including milk, seminal plasma, amniotic fluid, serum, and cerebrospinal fluid. In spite of its unknown physiological functions, the implications of KLK10 in various diseases have been explored. Early studies have shown that this expression is dramatically down-regulated in breast and testicular germ-cell tumors. It is secreted and may play a role in suppression of tumorigenesis in breast. Recombinant human KLK10, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Product Categories/Family for KLK10 recombinant protein	Signal Transduction; Cytoskeleton
References	Petraki CD., et al, (2002) J. Histochem. Cytochem. 50:1247-1261.;Luo LY., et al. (2002) Br. J. Cancer. 86:1790-1796.

NCBI AND UNIPROT INFORMATION

NCBI GI #	117422433
NCBI Accession #	NP_001070968.1
NCBI GenBank Nucleotide #	NP_001070968.1
UniProt Accession #	O43240
Molecular Weight	27.8 kDa (252aa)
NCBI Official Full Name	kallikrein-10 preproprotein
UniProt Protein Name	Kallikrein-10
UniProt Gene Name	KLK10
UniProt Synonym Gene Names	NES1; PRSSL1
UniProt Entry Name	KLK10_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.