Recombinant Human KLK11 protein, His & T7-tagged

Cat. No. KLK11-753H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KLK11 aa. (Ile39~Asn282 (Accession # Q9UBX7)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ile39~Asn282
Description	Kallikreins are a subgroup of serine proteases having diverse physiological functions. Growing evidence suggests that many kallikreins are implicated in carcinogenesis and some have potential as novel cancer and other disease biomarkers. This gene is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. Alternate splicing and the use of alternate promoters results in multiple transcript variants encoding distinct isoforms which are differentially expressed.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 30.5kDa
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 8.8.

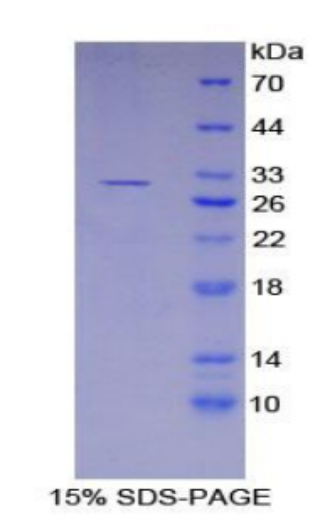
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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	KLK11 kallikrein related peptidase 11 [Homo sapiens (human)]
Official Symbol	KLK11
Synonyms	TLSP; PRSS20; hK11; hippostasin; serine protease 20; trypsin-like protease; kallikrein-11
Gene ID	11012
mRNA Refseq	NM_001136032.2
Protein Refseq	NP_001129504.1
UniProt ID	Q9UBX7

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SDS-PAGE	 15% SDS-PAGE

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