

Recombinant Human KLK8 protein, His & T7-tagged

Cat. No. KLK8-797H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KLK8 aa. (Gln29~Gly260 (Accession # O60259)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Gln29~Gly260
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 tandem in a gene cluster on chromosome 19. The encoded protein may be involved in proteolytic cascade in the skin and may serve as a biomarker for ovarian cancer. Alternate splicing of this gene results in multiple transcript variants encoding different isoforms.
Form	Freeze-dried powder
Molecular Mass	34kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>90%

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Characteristic	The isoelectric point is 6.1.
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% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	KLK8 kallikrein related peptidase 8 [Homo sapiens (human)]
Official Symbol	KLK8
Synonyms	NP; HNP; NRPN; PRSS19; TADG14; ovasin; serine protease 19; serine protease TADG-14; tumor-associated differentially expressed gene 14 protein; kallikrein-8
Gene ID	11202
mRNA Refseq	NM_001281431.1
Protein Refseq	NP_001268360.1

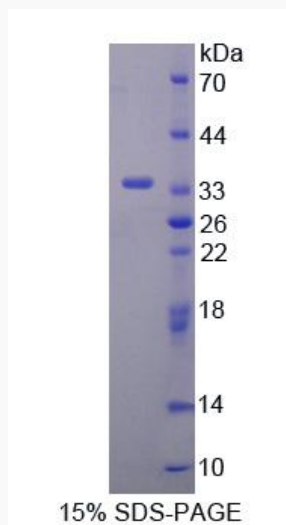
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UniProt ID

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