Recombinant Human KLK13 protein, His & T7-tagged

Cat. No. KLK13-7999H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KLK13 aa. (Glu22~Gln277 (Accession # Q9UKR3)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Glu22~Gln277
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. Expression of this gene is regulated by steroid hormones and may be useful as a marker for breast cancer.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 32.2kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 8.8.

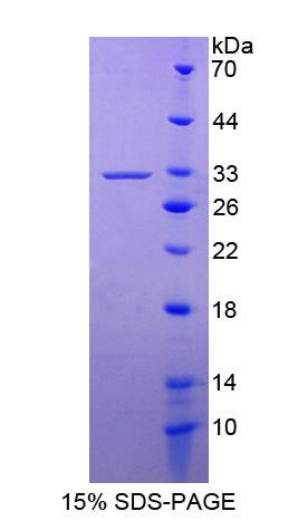
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Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein 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	KLK13 kallikrein related peptidase 13 [Homo sapiens (human)]
Official Symbol	KLK13
Synonyms	KLK13; kallikrein related peptidase 13; KLKL4; KLK-L4; kallikrein-13; kallikrein-like gene 4; kallikrein-like protein 4
Gene ID	26085
mRNA Refseq	NM_001348178.1
Protein Refseq	NP_001335107.1

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UniProt ID	Q9UKR3
SDS-PAGE	 15% SDS-PAGE

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