

Recombinant Human KLK13 protein, His-tagged

Cat. No. KLK13-31H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human KLK13, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Human
Source	Insect Cells
Description	KLK13, also known as kallikrein-13, belongs to Kallikrein subfamily. 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. KLK13 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. An additional transcript variant has been identified, but its full length sequence has not been determined.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Molecular Mass	29.7kDa (267aa)28-40KDa (SDS-PAGE under reducing conditions.)
AA Sequence	GGVSQESSKV LNTNGTSGFL PGGYTCTPHS QPWQAALLVQ GRLLCGGVLV HPKWVLTA AH CLKEGLKVYL GKHALGRVEA GEQVREVVHSIPHPEYRRSP THLNHDHDIM LLELQSPVQL TGYIQTPLS HNNRLTPGTT CRVSGWGTTT SPQVNYPKTL QCANIQLRSD EECRQVYPGKITDNMLCAGT KEGGKDSCEG DSGGPLVCNR TLYGIVSWGD FPCGQPDRPG VYTRVSRYVL WIRETIRKYE

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TQQQKWLKGP QHHHHHH

Endotoxin < 1.0 EU per 1 microgram of protein (determined by LAL method)

Purity >90% by SDS – PAGE

Storage Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 0.5mg/ml (determined by Absorbance at 280nm)

GENE INFORMATION

Gene Name [KLK13 kallikrein-related peptidase 13 \[Homo sapiens \]](#)

Official Symbol [KLK13](#)

Synonyms KLK13; kallikrein-related peptidase 13; kallikrein 13; kallikrein-13; KLK L4; kallikrein-like gene 4; kallikrein-like protein 4; KLKL4; KLK-L4; DKFZp586J1923;

Gene ID [26085](#)

mRNA Refseq [NM_015596](#)

Protein Refseq [NP_056411](#)

MIM [605505](#)

UniProt ID [Q9UKR3](#)

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Chromosome Location	19q13.33
Function	catalytic activity; hydrolase activity; peptidase activity; protein binding; serine-type endopeptidase activity; serine-type endopeptidase activity;

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