

KLK13, 17-277aa, Human, His tag, Insect cell

Cat.NO.: TP02743

3th Edition

Synonyms:KLK-L4, KLKL4

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. Recombinant human KLK13, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form:Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight:29.7kDa (267aa) 28-40KDa (SDS-PAGE under reducing conditions.)

Sequences:

GGVSQESSKVLNTNGTSGFLPGGYTCFPHSQPWQAALLVQGRLLCGGVLVHPKWVLTAAHCLKEGLKVYLGKHA
LGRVEAGEQVREVVHSIPHPEYRRSPHTLNHDHDIIMLLELQSPVQLTGYIQTLP LSHNNRLTPGTTCRVSGWGTTT
SPQVNYPKTLQCANIQLRSDEECRQVYPGKITDNMLCAGTKEGGKDSCEGDSGGPLVCNRTLYGIVSWGDFPCG
QPDRPGVYTRVSRVYLWIRETIRKYETQQQKWLKGPQH HHHHHH

Purity:> 95% by HPLC

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

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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