

KLK13, 17-277aa, Human, His tag, E.coli

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3th Edition

Synonyms:Kallikrein-13, KLK-L4, KLKL4

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. 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 protein, fused to His-tag at N-terminus, was expressed in E.coli.

Form:Liquid, In 20mM Tris-HCl (pH8.0) containing 10% glycerol

Molecular Weight:31.3 kDa (284aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSGGVSQESSKVLNTNGTSGFLPGGYTCFPHSQPWQAALLVQGRLLCGGVLV
HPKWVLTAAHCLKEGLKVYLKGKHALGRVEAGEQVREVVHSIPHPEYRRSPTHLNHDHDMLELQSPVQLTGVIQT
LPLSHNNRLTPGTTCRVSGWGTTTSPQVNYPKTLQCANIQLRSDEECRQVYPGKITDNMLCAGTKEGGKDSCEGD
SGGPLVCNRTLIGIVSWGDFPCGQPDRPGVYTRVSRVVLWIRETIRKYETQQQKWLKGPQ

Purity:> 95% by HPLC

Concentration:0.25 mg/ml (determined by Bradford assay)

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.