

Recombinant human Kallikrein 13/KLK13 protein

Catalog Number: ATGP2949

PRODUCT INFORMATION

Expression system

E.coli

Domain

17-277aa

UniProt No.

Q9UKR3

NCBI Accession No.

NP_056411

Alternative Names

Kallikrein related peptidase 13, Kallikrein-13 Kallikrein-like protein 4, KLK-L4

PRODUCT SPECIFICATION

Molecular Weight

31.3 kDa (284aa)

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

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Amino acid Sequence

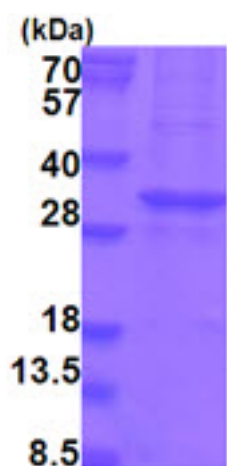
MGSSHHHHHH SSGLVPRGSH MGSSGGVSQES SKVLNTNGTS GFLPGGYTCF PHSQPWQAAL LVQGRLLCGG
VLVHPKWWLT AAHCLKEGLK VYLGKHALGR VEAGEQVREV VHSIPHPEYR RSPTHLNHDH DIMLLELQSP VQLTGYIQT
PLSHNNRLTP GTTCRVSGWG TTTSPQVNYP KTLQCANIQL RSDEECRQVY PGKITDNMLC AGTKEGGKDS CEGDSSGGPLV
CNRTLYGIVS WGDFFPCGQPD RPYVYTRVSR YVLWIRETIR KYETQQQKWL KGPQ

General References

Friedman J.S., et al. (2002) Hum. Mol. Genet. 11:1333-1342

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)