

Recombinant human Kallikrein 10/KLK10 protein

Catalog Number: ATGP2664

PRODUCT INFORMATION

Expression system

E.coli

Domain

34-276aa

UniProt No.

O43240

NCBI Accession No.

NP_001070968

Alternative Names

PRSSL1, Protease serine-like 1, Normal epithelial cell-specific 1, NES1, KLK10, Kallikrein-10, Kallikrein related peptidase 10

PRODUCT SPECIFICATION

Molecular Weight

29.1 kDa (266aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.4M urea

Purity

> 85% 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

KLK10, also known as Kallikrein-10, is one of the fifteen kallikrein subfamily members. 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. It is secreted and may play a role in suppression of tumorigenesis in breast and prostate cancers. Recombinant human KLK10 protein, fused to His-tag at N-terminus, was expressed in E. coli.

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Amino acid Sequence

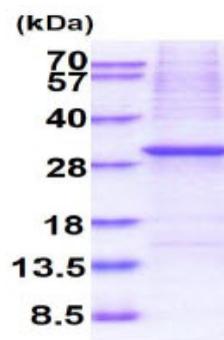
MGSSHHHHHH SSSLVPRGSH MGSALLPQND TRLDPEAYGS PCARGSQPWQ VSLFNGLSFH CAGVLVDQSW
VLTAAHCGNK PLWARVGDDH LLLQGEQLR RTRRSVVHPK YHQGSGPILP RRTDEHDLML LKLARPVVLG PRVRALQLPY
RCAQPGDQCQ VAGWGTAAAR RVKYNKGLTC SSITLSPKE CEVFYPGVVT NNMICAGLDR GQDPCQSDSG GPLVCDLTLQ
GILSWGVPYC GSAQHPAVYT QICKYMSWIN KVIRSN

General References

Liu XL. et al. (1996) Cancer Res. 56:3371-3379.
Zhang Y. et al. (2006) Biol. Chem. 387:715-721.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)