

Recombinant human Kallikrein 5/KLK5 protein

Catalog Number: ATGP1626

PRODUCT INFORMATION

Expression system

E.coli

Domain

67-293aa

UniProt No.

Q9Y337

NCBI Accession No.

NP_001070960.1

Alternative Names

Kallikrein-5, KLK5, KLKL2, SCTE, Kallikrein related peptidase 5, Kallikrein-like protein 2, Stratum corneum tryptic enzyme

PRODUCT SPECIFICATION

Molecular Weight

27.8 kDa (252aa)

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 2M urea, 20% 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

Kallikrein-5, also known as KLK5, belongs to the serine protease family of proteolytic enzymes. The human KLK gene family consists of 15 serine proteases. It is expressed in a variety of tissues including salivary gland, stomach, uterus, lung, thymus, prostate, colon, brain, thyroid, and trachea. The function of the other members of KLK gene family is currently unknown, but evidence suggests that many KLKs are implicated in carcinogenesis. Recombinant human KLK5 protein, fused to His-tag at N-terminus, was expressed in E. coli

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Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGSHM>IINGS DCDMHTQPWQ AALLLRPNQL YCGAVLVHPQ WLLTAAHCRK
KVFRVRLGHY SLSPVYESGQ QMFQGVKSIP HPGYSHPGHS NDLMLIKLNLR RIRPTKDVRP INVSSHCPSA GTKCLVSGWG
TTKSPQVHFP KVLQCLNISV LSQKRCE DAY PRQIDDTMFC AGDKAGR DSC QGDSGGPVVC NGS LQGLVSW GDYPCARPNR
PGVYTNLCKF TKW IQETIQA NS

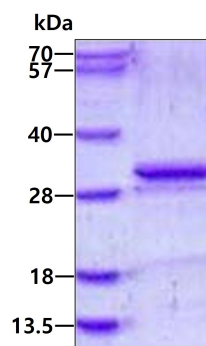
General References

Clements J., et al. (2001) Biol Chem. 382:5-14.

Diamandis E P., et al. (2000) Trends Endocrinol Metab. 11:54-60.

DATA

SDS-PAGE



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