

Datasheet for ABIN7596400

Kallikrein 10 Protein (KLK10) (AA 34-276) (His tag)



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Overview

Quantity:	250 µg
Target:	Kallikrein 10 (KLK10)
Protein Characteristics:	AA 34-276
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Kallikrein 10 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	ADPALLPQND TRLDPEAYGS PCARGSQPWQ VSLFNGLSFH CAGVLVDQSW VLTAAHCGNK PLWARVGDDH LLLLQGEQLR RTTRSVVHPK YHQGSGPILP RRTDEHDLML LKLARPVVLG PRVRALQLPY RCAQPGDQCQ VAGWGTTAAR RVKYNKGLTC SSITLSPKE CEVFYPGVT NNMICAGLDR GQDPCQSDSG GPLVCDETLQ GILSWGVPYPC GSAQHPAVYT QICKYMSWIN KVIRSNHHHH HH
Purity:	> 90% by SDS-PAGE
Endotoxin Level:	< 1 EU per 1 µg of protein (determined by LAL method)

Target Details

Target:	Kallikrein 10 (KLK10)
Alternative Name:	Kallikrein 10/KLK10 (KLK10 Products)

Target Details

Background: KLK10, also known as kallikrein-10, is belong to the subgroup of serine proteases encompassing fifteen homologous members. This protein is widely expressed in normal human organs, for example breast, prostate, thyroid, testis, ovary, and gastrointestinal tract. Interestingly, it is highly expressed in the islets of Langerhans in human pancreas. Also, it is detectable in many biological fluids, including milk, seminal plasma, amniotic fluid, serum, and cerebrospinal fluid. In spite of its unknown physiological functions, the implications of KLK10 in various diseases have been explored. Early studies have shown that this expression is dramatically down-regulated in breast and testicular germ-cell tumors. It is secreted and may play a role in suppression of tumorigenesis in breast. Recombinant human KLK10, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Molecular Weight: 27.8 kDa (252aa)

NCBI Accession: [NP_001070968](#)

Pathways: [Complement System](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.5 mg/mL

Storage: 4 °C, -20 °C, -80 °C

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