Datasheet for ABIN1096999

Kallikrein 10 Protein (KLK10) (AA 31-276) (His tag)

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Overview

Quantity:	50 µg
Target:	Kallikrein 10 (KLK10)
Protein Characteristics:	AA 31-276
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Kallikrein 10 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Kallikrein 10/KLK10 (C-6His)
Sequence:	AEAALLPQND TRLDPEAYGA PCARGSQPWQ VSLFNGLSFH CAGVLVDQSW VLTAAHCGNK PLWARVGDDH LLLLQGEQLR RTTRSVVHPK YHQGSGPILP RRTDEHDLML LKLARPVVPG PRVRALQLPY RCAQPGDQCQ VAGWGTTAAR RVKYNKGLTC SSITILSPKE CEVFYPGVVT NNMICAGLDR GQDPCQSDSG GPLVCDETLQ GILSWGVYPC GSAQHPAVYT QICKYMSWIN KVIRSNVDHH HHHH
Characteristics:	Recombinant Human Kallikrein 10 is produced with our mammalian expression system in human cells. The target protein is expressed with sequence (Ala31-Asn276) of Human KLK10 fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	Kallikrein 10 (KLK10)
Alternative Name:	kallikrein-10 (KLK10 Products)
Sub Type:	Fusionprotein
Background:	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. This gene is one of the fifteen Kallikrein subfamily members located in a cluster on chromosome 19. Its encoded protein is secreted and may play a role in suppression of tumorigenesis in breast and prostate cancers. Alternate splicing of this gene results in multiple transcript variants encoding the same protein. Alternative Names: Kallikrein-10, Normal Epithelial Cell-Specific 1, Protease Serine-Like 1, KLK10, NES1, PRSSL1
Molecular Weight:	27.98 kDa
UniProt:	O43240
Pathways:	Complement System

Application Details

Restrictions:	For Research Use only

Handling

Format:	Liquid
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 150 mM NaCl, pH 8.0.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	-80 °C
Storage Comment:	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Expiry Date:	6 months