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Datasheet for ABIN1097002

Kallikrein 11 Protein (KLK11) (AA 19-250) (His tag)

Overview

Quantity:	50 µg
Target:	Kallikrein 11 (KLK11)
Protein Characteristics:	AA 19-250
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Kallikrein 11 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Kallikrein 11/KLK11 (C-6His)
Sequence:	ETRIIKGFEC KPHSQPWQAA LFEKTRLLCG ATLIAPRWLL TAAHCLKPRY IVHLGQHNLQ KEEGCEQTRT ATESFPHPGF NNSLPNKDHR NDIMLVKMAS PVSITWAVRP LTLSSRCVTA GTSC LISGWG STSSPQLRLP HTLR CANITI IEHQK CENAY PGNITDTMVC ASVQEGGKDS CQGDSGGPLV CNQSLQGIIS WGQDPCA ITR KPGVYTKVCK YVDWIQETMK NNVDHHHHHH
Characteristics:	Recombinant Human Kallikrein 11 is produced with our mammalian expression system in human cells. The target protein is expressed with sequence (Glu19-Asn250) of Human KLK11 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 11 (KLK11)
Alternative Name:	kallikrein-11 (KLK11 Products)
Sub Type:	Fusionprotein
Background:	<p>Human Kallikrein 11 (KLK11) is a member of tissue kallikrein family which are extracellular serine proteases consisting of 15 members. Two isoforms of KLK11 are differentially expressed. Isoform 1 is predominantly expressed in brain and isoform 2 is preferentially expressed in prostate. Isoform 1 consists of a signal peptide, a short pro peptide and the mature chain. Isoform 2 contains an extra 32 amino acid N terminal to full-length isoform 1. KLK11 is a novel marker for ovarian and prostate cancer carcinomas. KLK11 can be activated by thermolysin and is active against a thioester substrate.</p> <p>Alternative Names: Kallikrein-11, hK11, Hippostasin, Serine Protease 20, Trypsin-Like Protease, KLK11, PRSS20, TLSP</p>
Molecular Weight:	26.28 kDa
UniProt:	Q9UBX7
Pathways:	Complement System

Application Details

Restrictions: For Research Use only

Handling

Format:	Liquid
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 150 mM NaCl, 2 mM CaCl ₂ , pH 8.0.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	-80 °C
Storage Comment:	<p>Store at < -20°C, stable for 6 months after receipt.</p> <p>Please minimize freeze-thaw cycles.</p>
Expiry Date:	6 months