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Datasheet for ABIN1097011

Kallikrein 4 Protein (AA 27-254) (His tag)

Overview

Quantity:	50 µg
Target:	Kallikrein 4 (KLK4)
Protein Characteristics:	AA 27-254
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Kallikrein 4 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Kallikrein 4/KLK4 (C-6His)
Sequence:	SCSQIINGED CSPHSQPWQA ALVMENELFC SGVLVHPQWV LSAAHCFQNS YTIGLGLHSL EADQEPGSQM VEASLSVRHP EYNRPLLAND LMLIKLDESV SESDTIRSI IASQCPTAGN SCLVSGWGLL ANGRMPTVLQ CVNVSVVSEE VCSKLYDPLY HPSMFCAGGG QDQKDSCNGD SGGPLICNGY LQGLVSFGKA PCGQVGVPGV YTNLCKFTEW IEKTVQASVD HHHHHH
Characteristics:	Recombinant Human Kallikrein 4/KLK4 (C-6His)
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 4 (KLK4)
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Target Details

Alternative Name:	kallikrein-4 (KLK4 Products)
Background:	<p>Recombinant Human Kallikrein 4 is produced with our mammalian expression system in human cells. The target protein is expressed with sequence (I31-S254) of Human KLK4 fused with a polyhistidine tag at the C-terminus.</p> <p>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 members of the Kallikrein subfamily 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.</p>
Molecular Weight:	25.44 kDa
UniProt:	Q9Y5K2
Pathways:	Complement System

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
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:	Lyophilized from 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:	4 °C/-20 °C/-80 °C
Storage Comment:	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>