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Datasheet for ABIN7538347

Kallikrein 1 Protein (KLK1) (AA 25-262) (His tag)

Overview

Quantity:	50 µg
Target:	Kallikrein 1 (KLK1)
Protein Characteristics:	AA 25-262
Origin:	Human
Source:	Mammalian Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Kallikrein 1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant human KLK1 Protein with C-terminal 6xHis tag
Specificity:	KLK1 (Ile25-Ser262) 6xHis tag
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 85 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	Kallikrein 1 (KLK1)
Alternative Name:	KLK1 (KLK1 Products)
Background:	Kallikreins are a subgroup of serine proteases having diverse physiological functions. Growing

Target Details

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. This protein is functionally conserved in its capacity to release the vasoactive peptide, Lys-bradykinin, from low molecular weight kininogen. [provided by RefSeq, Jul 2008]

Molecular Weight: predicted molecular mass of 27.2 kDa after removal of the signal peptide.

UniProt: [P06870](#)

Pathways: [Complement System](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

Storage: -20 °C, -80 °C

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months