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KLKB1 Protein (His tag)



Overview

Quantity:	100 μg
Target:	KLKB1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This KLKB1 protein is labelled with His tag.

Product Details

Purpose:	Human Plasma Kallikrein / KLKB1 Protein, His Tag (active enzyme, MALS verified)
Sequence:	Gly 20 - Ala 638
Characteristics:	Human Plasma Kallikrein/KLKB1, His Tag is expressed from human 293 cells (HEK293). It contains AA Gly 20 - Ala 638 (Accession # P03952-1).
Purity:	95 %
Endotoxin Level:	1.0 EU per μg
Grade:	MALS verified

Target Details

Target:	KLKB1
Alternative Name:	Plasma Kallikrein (KLKB1 Products)

Target Details

Background:	Human Plasma Kallikrein, a serine protease, is synthesized in the liver and circulates in the plasma by binding to high molecular weight (HMW) kininogen or as a free zymogen. The enzyme cleaves Lys-Arg and Arg-Ser bonds. It activates, in a reciprocal reaction, factor XII after its binding to a negatively charged surface. It also releases bradykinin from HMW kininogen and may also play a role in the renin-angiotensin system by converting prorenin into renin.
Molecular Weight:	71.1 kDa
Pathways:	Complement System, Brown Fat Cell Differentiation
Application Details	
Comment:	This protein carries a polyhistidine tag at the C-terminus. (10xHis) The protein has a calculated
	MW of 71.1 kDa. The protein migrates as 70-90 kDa under reducing (R) condition (SDS-PAGE)
	due to glycosylation.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	50 mM Tris 150 mM NaCl,PH7.5
Storage:	-80 °C
Storage Comment:	-70°C