Datasheet for ABIN7196654

Kallikrein 1 Protein (KLK1) (His tag)

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Overview

Quantity:	50 µg
Target:	Kallikrein 1 (KLK1)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This Kallikrein 1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Kallikrein 1/KLK1 Protein (His Tag)(Active)
Sequence:	Met 1-Ser 262
Characteristics:	A DNA sequence encoding the human KLK1 (NP_002248.1) precursor (Met 1-Ser 262) was expressed with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	Measured by its ability to cleave a flourogenic peptide substrate Pro-Phe-Arg-7-amido-4-methylcoumarin (PFR-AMC). The specific activity is >1,500 pmoles/min/µg.(Activation description: The proenzyme needs to be activated by Thermolysin for an activated form)

Target Details

Target:	Kallikrein 1 (KLK1)

Target Details

Alternative Name:	Kallikrein 1/KLK1 (KLK1 Products)
Background:	Background: Human tissue kallikrein (KLK1) is a serine protease, component of the KKS that has been demonstrated to exert pleiotropic beneficial effects in protection from tissue injury through its antiinflammatory, antiapoptotic, antifibrotic and antioxidative actions.Polymorphism of the human tissue kallikrein 1 (KLK1) A1789G gene is associated with susceptibility to hypertension. Synonym: Kallikrein-1, Kidney/Pancreas/Salivary Gland Kallikrein, Tissue Kallikrein, KLK1
Molecular Weight:	28 kDa
NCBI Accession:	NP_002248
Pathways:	Complement System

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.