Datasheet for ABIN2724257

KNG1 Protein (Transcript Variant 2) (Myc-DYKDDDDK Tag)

1 Image

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Overview

Quantity:	20 µg
Target:	KNG1
Protein Characteristics:	Transcript Variant 2
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KNG1 protein is labelled with Myc-DYKDDDDK Tag.
Application:	Antibody Production (AbP), Standard (STD)

Product Details

Characteristics:	• Recombinant human Kininogen-1 (transcript variant 2) protein expressed in HEK293 cells. • Produced with end-sequenced ORF clone
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining

Target Details

Target:	KNG1
Alternative Name:	Kininogen-1 (KNG1 Products)
Background:	(1) Kininogens are inhibitors of thiol proteases (2) HMW-kininogen plays an important role in blood coagulation by helping to position optimally prekallikrein and factor XI next to factor XII (3) HMW-kininogen inhibits the thrombin- and plasmin-induced aggregation of thrombocytes (4) the active peptide bradykinin that is released from HMW-kininogen shows a variety of

Target Details

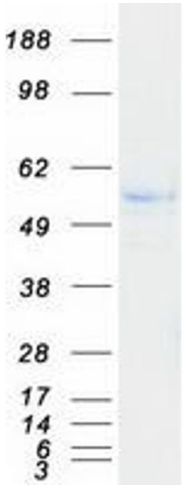
	physiological effects: (4A) influence in smooth muscle contraction, (4B) induction of hypotension, (4C) natriuresis and diuresis, (4D) decrease in blood glucose level, (4E) it is a mediator of inflammation and causes (4E1) increase in vascular permeability, (4E2) stimulation of nociceptors (4E3) release of other mediators of inflammation (e.g. prostaglandins), (4F) it has a cardioprotective effect (directly via bradykinin action, indirectly via endothelium-derived relaxing factor action) (5) LMW-kininogen inhibits the aggregation of thrombocytes (6) LMW-kininogen is in contrast to HMW-kininogen not involved in blood clotting. [UniProtKB/Swiss-Prot Function]
Molecular Weight:	47.7 kDa
NCBI Accession:	NP_000884
Pathways:	ACE Inhibitor Pathway, Glycosaminoglycan Metabolic Process

Application Details

Application Notes:	Recombinant human proteins can be used for: Native antigens for optimized antibody production Positive controls in ELISA and other antibody assays
Comment:	The tag is located at the C-terminal.
Restrictions:	For Research Use only

Handling

Concentration:	50 µg/mL
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
Storage:	-80 °C
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.



Western Blotting

Image 1. Validation with Western Blot