Native Human KNG1

Cat. No. KNG1-29146TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Full length native Human LMW Kininogen purified from Human Plasma; MWt 65 kDa.
Species	Human
Source	Human Plasma
Description	This gene uses alternative splicing to generate two different proteins- high molecular weight kininogen (HMWK) and low molecular weight kininogen (LMWK). HMWK is essential for blood coagulation and assembly of the kallikrein-kinin system. Also, bradykinin, a peptide causing numerous physiological effects, is released from HMWK. In contrast to HMWK, LMWK is not involved in blood coagulation. Three transcript variants encoding different isoforms have been found for this gene.
Form	Lyophilised
Molecular Mass	65 kDa
Purity	>95% by SDS-PAGE
Storage	Shipped at 4°C . Store at -20°C .
Storage Buffer	Preservative: NoneConstituents: 200mM Sodium chloride, 10mM Sodium acetate, pH 5.5
Full Length	Full L.

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GENE INFORMATION

Gene Name	KNG1 kininogen 1 [Homo sapiens]
Official Symbol	KNG1
Synonyms	KNG1; kininogen 1; BDK, kininogen , KNG; kininogen-1; alpha 2 thiol proteinase inhibitor; bradykinin; HMWK; fitzgerald factor; high molecular weight kininogen; alpha-2-thiol proteinase inhibitor; williams-Fitzgerald-Flaujeac factor; BDK; KNG;
Gene ID	3827
mRNA Refseq	NM_000893
Protein Refseq	NP_000884
MIM	612358
UniProt ID	P01042
Chromosome Location	3q21-qter
Pathway	ACE Inhibitor Pathway, organism-specific biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Complement and Coagulation Cascades, organism-specific biosystem; Complement and coagulation cascades, organism-specific biosystem; Complement and coagulation cascades, conserved biosystem; Formation of Fibrin Clot (Clotting Cascade), organism-specific biosystem; G alpha (i) signalling events, organism-specific biosystem;
Function	cysteine-type endopeptidase inhibitor activity; heparin binding; peptidase inhibitor

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	activity; receptor binding; zinc ion binding;

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