

Native Human Kininogen, LMW

Cat. No. KNG1-18H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Human Kininogen(LMW) was purified from Human Plasma
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. Bradykinin also functions as an antimicrobial peptide with antibacterial and antifungal activity. In contrast to HMWK, LMWK is not involved in blood coagulation. Three transcript variants encoding different isoforms have been found for this gene.
Form	Lyophilized from 10 mM Na acetate, pH 5.5, with 200 mM NaCl.
Molecular Mass	65000
Purity	>=95% by SDS-PAGE
Stability	> 1year
Storage	<= -20o C

GENE INFORMATION

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Gene Name	KNG1 kininogen 1 [Homo sapiens (human)]
Official Symbol	KNG1
Synonyms	KNG1; kininogen 1; BDK; KNG;kininogen-1; HMWK; bradykinin; fitzgerald factor; OTTHUMP00000197128;OTTHUMP00000197129; OTTHUMP00000210109; high molecular weight kininogen;alpha-2-thiol proteinase inhibitor; williams-Fitzgerald-Flaujeac factor;Alpha-2-thiol proteinase inhibitor; Fitzgerald factor; High molecular weightkininogen; Williams-Fitzgerald-Flaujeac factor
Gene ID	3827
mRNA Refseq	NM_000893
Protein Refseq	NP_000884
MIM	612358
UniProt ID	P01042
Chromosome Location	3q27
Pathway	ACEInhibitor Pathway; Class A/1 (Rhodopsin-like receptors); Complement andCoagulation Cascades; Formation of Fibrin Clot (Clotting Cascade); G alpha(i) signalling events; GPCR downstream signaling; GPCR ligand binding;
Function	cysteine-typeendopeptidase inhibitor activity; heparin binding; peptidase inhibitoractivity; receptor binding; zinc ion binding

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA