

Native Human Kininogen 1

Cat. No. KNG1-1844H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native human KNG1 was purified in Human plasma. MW 120 kDa.
Species	Human
Source	Human Plasma
Description	Human KNG1, two chain form HMW, is prepared by digestion of single chain KNG1. Kininogen-1 (KNG1), also known as alpha-2-thiol proteinase inhibitor, Williams-Fitzgerald-Flaujeac factor or the HMWK-kallikrein factor, is a protein that in humans is encoded by the KNG1 gene.
Form	Frozen liquid in 4mM Sodium Acetate Buffer + 0.15 M NaCl, pH 5.3.
Molecule Weight	120 kDa
Purity	>95% by SDS-PAGE analysis.
Endotoxin Level	< 0.1 ng/g of protein.
Concentration	2.0 mg/ml
Storage	Store at -80°C. Stable for 3 years from delivery. Avoid repeated freeze-thaw cycles.
Pathways	ACE Inhibitor Pathway; Class A/1 (Rhodopsin-like receptors); Complement and Coagulation Cascades; Formation of Fibrin Clot (Clotting Cascade); G alpha(i)

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signalling events; GPCR downstream signaling; GPCR ligand binding; Hemostasis; Intrinsic Pathway; Peptide ligand-binding receptors; Platelet activation; Platelet degranulation; Response to elevated platelet cytosolic Ca²⁺; Signal Transduction; Signaling by GPCR; Syndecan-2-mediated signaling events; α 2 Integrin signaling

GENE INFORMATION

Gene Name	KNG1 kininogen 1 [Homosapiens]
Official Symbol	KNG1
Synonyms	KNG1; kininogen 1; BDK; KNG; kininogen-1; HMWK; bradykinin; fitzgerald factor; OTTHUMP00000197128; OTTHUMP00000197129; OTTHUMP00000210109; high molecular weight kininogen; α -2-thiol proteinase inhibitor; williams-Fitzgerald-Flaujeac factor; α -2-thiol proteinase inhibitor; Fitzgerald factor; High molecular weight kininogen; Williams-Fitzgerald-Flaujeac factor
Gene ID	3827
mRNA Refseq	NM_000893
Protein Refseq	NP_000884
MIM	612358
UniProt ID	P01042
Chromosome Location	3q27
Function	cysteine-type endopeptidase inhibitor activity; heparin binding; peptidase

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inhibitoractivity; receptor binding; zinc ion binding

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