

Recombinant Human KNG1 protein, T7/His-tagged

Cat. No. KNG1-70H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full-length heavy chain domain (HMWK) of human KNG1 cDNA (19 – 380 aa, derived from BC060039) fused with T7-His-TEV cleavage site Tag (29aa) at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
Form	0.5 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, arginine, DTT and Glycerol.
AA Sequence	MASMTGGQQMGRGHHHHHGNLYFQGGEFQESQSEEIDCNDKDLFKAVDAALKK YNSQNQSNNQFVLYRITEATK TVGSDTFYSFKYEIKEGDPCVQSGKTWQDCEYKD AAKAATGECTATVGKRSSTKFSVATQTCQITPAEGPVVTAQ YDCLGCVHPISTQSP DLEPILRHGIQYFNNNTQHSSLFMLNEVKRAQRQVVAGLNFRMTYSIVQTNCSENF LFL TPDCKSLWNGDTGECTDNAYIDIQLRIASFQNCDIYPGKDFVQPPTKICVGCP RDIPTNSPELEETLHTITKL NAENNATFYFKIDNVKKARVQVVAGKKYFIDFVARETT CSKESNEELTESCETKKLGQSLDCNAEVYVVPWEKKI YPTVNCQPLGMISLMK
Purity	>90% by SDS-PAGE
Applications	1. May be used for in vitro KNG1 H chain mediated endothelial cell differentiation / migration activities regulation study with this protein as either coating matrix protein or as soluble factor.2. May be used for KNG1 H chain protein – protein interaction assay.3. May be used as enzymatic substrate for various proteases.4. May be used

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for specific antibody production.

Storage

Keep at -80centigrade for long term storage. Product is stable at 4 centigrade for at least 30 days.

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-

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specific biosystem; Complement and coagulation cascades, conserved biosystem

Function

cysteine-type endopeptidase inhibitor activity; heparin binding; peptidase inhibitor activity; receptor binding; zinc ion binding;

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