

Kininogen 1 Recombinant Protein | KNG1 recombinant protein

Recombinant Kininogen 1 (KNG1)

CATALOG # AAA145918	HOST E.coli	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

Kininogen 1; Recombinant Kininogen 1 (KNG1); BDK; KNG; HMWK; Alpha-2-Thiol Proteinase Inhibitor; Bradykinin; Kallidin; Fitzgerald factor; High molecular weight kininogen; Williams-Fitzgerald-Flaujeac factor; Ile-Ser-Bradykinin; KNG1 recombinant protein

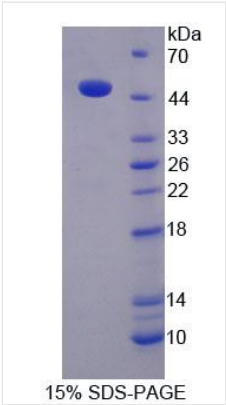
PRODUCT SPECIFICATIONS

Host	E.coli
Purity/Purification	> 90%
Form/Format	100mM NaHCO ₃ , 500mM NaCl, pH8.3, containing 1mM DTT, 0.01% SKL, 5% Trehalose .
Concentration	Original Concentration: 200ug/mL (varies by lot)
Applicable Applications for KNG1 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Organism Species	Rattus norvegicus (Rat)
Source	Prokaryotic expression
Residues	Gln19~Arg380
Tags	N-terminal His Tag
Subcellular Location	Secreted
Traits	Freeze-dried powder
Predicted isoelectric point	5.2
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.
Usage	Reconstitute in ddH ₂ O to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months. Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

IMAGES

QE EDAQEMDCND ESLFQAVDTA LKKYNAGLKS
GNQFVLYQVT EGTKKGSKT FYSFKYQIKE GNCSVQSGFA WQDCDFKDAE
EAATGECTAT LEKRRNKFIS IATQICNITP GKGPITVNEY HCLGCMHPIS
VDSPGLGPVL KHAHEHFNNN TKHTHLFALG EVKSADRQVV AGMNYQIIYS
IVQTNCSEKD FPSLHEDCVP LPSGDDGCECK GNAFVDIHKT IAGFSDSCEF
YPGDDLFELL PEDCPGCPRN IPVDSPELKE ALGHSTIAQLN AENNHTFYFK
IDTVKKATSQ VVAGTKYVIE FIARETKCSK ESNAELTADC ETKRLGQSLN
CNANVYMRPW ENKVVPVKC KVLDMTSVIR

Gene Sequence



SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	156231037
NCBI GeneID	3827
NCBI Accession #	NP_001095886.1
NCBI GenBank Nucleotide #	NM_001102416.2
Molecular Weight	Predicted Molecular Mass: 43.9kDa Accurate Molecular Mass: 48kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	kininogen-1 isoform 1
NCBI Official Synonym Full Names	kininogen 1
NCBI Official Symbol	KNG1
NCBI Official Synonym Symbols	BK; BDK; KNG
NCBI Protein Information	kininogen-1
UniProt Protein Name	Kininogen-1
UniProt Gene Name	KNG1
UniProt Synonym Gene Names	BDK; KNG; HMWK
UniProt Entry Name	KNG1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.