

## Recombinant Human KNG1 Protein

Catalog #	Source	Reactivity	Applications
CRP1865	Human cells	Human	E, WB, SDS-PAGE, MS
<b>Description</b>	Recombinant Human KNG1 Protein is produced by our Mammalian expression system and the target gene encoding Gln19-Ser427 is expressed with a 6His tag at the C-terminus.		
<b>Form</b>	Lyophilized from a 0.2 μM filtered solution of 20mM Hac-NaAC, 150mM NaCl, pH 4.0		
<b>Gene Symbol</b>	KNG1		
<b>Alternative Names</b>	BDK; KNG; Kininogen-1; Alpha-2-thiol proteinase inhibitor; Fitzgerald factor; High molecular weight kininogen; HMWK; Williams-Fitzgerald-Flaujeac factor		
<b>Entrez Gene</b>	3827 (Human)		
<b>SwissProt</b>	P01042 (Human)		
<b>Purity</b>	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.		
<b>Chemical Structure</b>	<p>QESQSEEIDC NDKDLFKAVD AALKKYNSQN QSNNQFVLYR ITEATKTVGS DTFYSFKYEI  KEGDPCVQSG KTWQDCEYKD AAKAATGECT ATVGKRSSTK FSVATQTCQI TPAEGPVVTA  QYDCLGCVHP ISTQSPDLEP ILRHGIQYFN NNTQHSSLFM LNEVKRAQRQ VVAGLNFMRMT  YSIVQTNCSK ENFLFLTPDC KSLWNGDTGE CTDNAVYIDIQ LRIASFQNC DIYPGKDFVQ  PPTKICVGCP RDIPTNSPEL EETLHTITK LNAENNATFY FKIDNVKKAR VQVVAGKKYF  IDFVARETTC SKESNEELTE SCETKKGQS LDCNAEVYVV PWEKKIYPTV NCQPLGMISL  MKRPPGFSPF RSSRIGEIKE ETTSHLRSC EYKGRPPKAGA EPASEREVSL DHHHHHH</p>		
<b>Quality Control</b>	Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.		
<b>Directions for Use</b>	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize		

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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# Product Data Sheet

freeze-thaw cycles.

## Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days.

Aliquots of reconstituted samples are stable at -20°C for 3 months.

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