

Active Recombinant Human KITLG Protein

Cat. No. KITLG-141H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Stem Cell Factor is produced by our E.coli expression system and the target gene encoding Glu26-Ala189 is expressed.
Species	Human
Source	E.coli
ProteinLength	Glu26-Ala189
Description	Stem Cell Factor (SCF) is a hematopoietic growth factor that exerts its activity at the early stages of hematopoiesis. SCF stimulates the proliferation of myeloid, erythroid, and lymphoid progenitors in bone marrow cultures and has been shown to act synergistically with colony stimulating factors.
Form	Lyophilized from a 0.2 um filtered solution of 20mM PB, 150mM NaCl, pH 7.0.
Bio-activity	Measured by the dose-dependent stimulation of Human TF-1 cells. ED50 is less than 2 ng/ml. Specific Activity of 5.0×10^5 IU/mg.
AA Sequence	MEGICRNRVTNNVKDVTCLVANLPKDYMITLKYPGMDVLPSCWISEMVVQLSDSL TDLLDKFSNIS EGLSNYSIIDKLVNIVD DLVECVKENSSKDLKKSFKSPEPRLFTPEEF FRIFNRSIDAFKDFVVASETSDCVVSSTLSPEKDSRV SVTKPFMLPPVA
Endotoxin	Less than 0.1 ng/ug (1 EU/ug).

 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

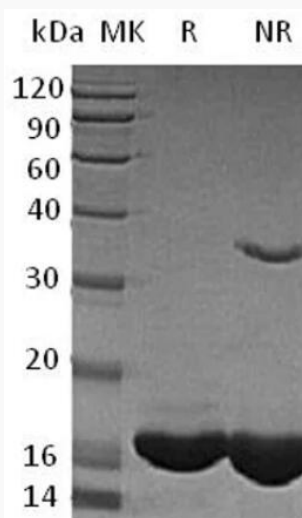
Purity	>95%
Storage	Lyophilized protein should be stored at < -20 centigrade, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7 centigrade for 2-7 days. Aliquots of reconstituted samples are stable at < -20 centigrade for 3 months.
Quality Statement	Purity: Greater than 95% as determined by reducing SDS-PAGE.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
GENE INFORMATION	
Gene Name	KITLG KIT ligand [Homo sapiens (human)]
Official Symbol	KITLG
Synonyms	Kit Ligand; Mast Cell Growth Factor; MGF; Stem Cell Factor; c-Kit ligand; SCF; SF; MGF; SLF; DCUA; FPH2; FPHH; KL-1; Kitl; WS2F; SHEP7; DFNA69
Gene ID	4254
mRNA Refseq	NM_000899.5
Protein Refseq	NP_000890.1
MIM	184745
UniProt ID	P21583

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SDS-PAGE



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