

Recombinant Human KITLG Protein, His-tagged

Cat. No. KITLG-055H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human SCF / KITLG (rhSCF)Met1-Leu214 (Accession # AAH69797) was produced in human HEK293 cells.
Species	Human
Source	HEK293
ProteinLength	1-214 a.a.
Description	This gene encodes the ligand of the tyrosine-kinase receptor encoded by the KIT locus. This ligand is a pleiotropic factor that acts in utero in germ cell and neural cell development, and hematopoiesis, all believed to reflect a role in cell migration. In adults, it functions pleiotropically, while mostly noted for its continued requirement in hematopoiesis. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Molecular Mass	Recombinant human SCF / KITLG contains 8×His tag at C-terminal has a calculated MW of 22.1 kDa. The predicted N-terminal is Glu26. DTT-reduced protein migrates as 20-42 kDa polypeptide in SDS-PAGE.
Endotoxin	Less than 1.0 EU per 1 g of the rhSCF by the LAL method.
Purity	>95% as determined by SDS-PAGE. All lots are greater than 95% pure.
Notes	Research Use Only. Not for use in diagnostic or therapeutic procedures.

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Storage	Store at -20 centigrade in lyophilized state after receipt. For long term storage, upon reconstitution rhSCF should be aliquot and store at -20 centigrade or -8 centigrade centigrade. Avoid repeated freeze-thaw cycles.
Storage Buffer	Bulk protein in a 0.22 µm filtered solution of PBS, pH 7.4 and delivered as liquid formulation or lyophilized powder. Normally 5-8% trehalose and mannitol are added as protectants before lyophilization.
GENE INFORMATION	
Gene Name	KITLG KIT ligand [Homo sapiens]
Official Symbol	KITLG
Synonyms	KITLG; KIT ligand; MGF; kit ligand; familial progressive hyperpigmentation 2; FPH2; Kitl; KL 1; mast cell growth factor; SCF; SF; steel factor; stem cell factor; c-Kit ligand; KL-1; SHEP7; kit-ligand; DKFZp686F2250;
Gene ID	4254
mRNA Refseq	NM_000899
Protein Refseq	NP_000890
MIM	184745
UniProt ID	P21583