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Product datasheet for DA3511XD

KITLG / SCF (His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	KITLG / SCF (His-tag) human recombinant protein, 50 µg
Species:	Human
Expression Host:	Insect
Tag:	His-tag
Predicted MW:	18.4 kDa
Purity:	>95% 95% by SDS-PAGE and visualised by silver stain
Buffer:	Presentation State: Purified State: Lyophilized purified protein Buffer System: PBS, pH 7.4, without stabilizer
Bioactivity:	Biological: Measured in a cell proliferation assay using TF 1 human erythroleukemic cells [Kitamura T et al, J Cell Physiol, 1989]. The ED50 for this effect is typically 1-5 ng/ml.
Endotoxin:	< 0.1 ng per µg of SCF
Reconstitution Method:	Restore in water to a concentration of 0.1 mg/ml. This solution can be diluted in water or other buffer solutions or stored at -20°C.
Preparation:	Lyophilized purified protein
Protein Description:	Recombinant Human Stem Cell Factor (SCF) His-tag. Soluble Stem Cell Factor (SCF), a 18.4kDa protein consisting of 165 amino acid residues (Glu26-Ala190) and fused to a C-terminal His-tag (6x His).
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_000890
Locus ID:	4254
Cytogenetics:	12q21.32
Synonyms:	DCUA; DFNA69; FPH2; FPHH; Kitl; KL-1; MGF; SCF; SF; SHEP7; SLF

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Summary: 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]

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Cytokine-cytokine receptor interaction, Hematopoietic cell lineage, Melanogenesis, Pathways in cancer

Product images: