

Product datasheet for DA3511

KITLG / SCF Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	KITLG / SCF human recombinant protein, 2 µg
Species:	Human
Expression Host:	Insect
Expression cDNA Clone or AA Sequence:	LPAVPPQWA LSAGNGSSEV EVVPFQEVWG RSYCRALERL VDVVSEYPSE VEHMFSPSCV SLLRCTGCCG DENLHCVPVE TANVTMQLLK IRSGDRPSYV ELTFSQHVRC ECRPLREKMK PERRRPKGRG KRRREKQRPT DCHLCGDVAVP RR
Predicted MW:	~ 45 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_001193941
Locus ID:	5228



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UniProt ID:	<u>P49763, Q86TW6</u>
Cytogenetics:	14q24.3
Synonyms:	D12S1900; PGFL; PIGF; PLGF; PIGF-2; SHGC-10760
Summary:	This gene encodes a growth factor found in placenta which is homologous to vascular endothelial growth factor. Alternatively spliced transcripts encoding different isoforms have been found for this gene.[provided by RefSeq, Jun 2011]
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	Bladder cancer, Focal adhesion, mTOR signaling pathway, Pancreatic cancer, Pathways in cancer, Renal cell carcinoma