Datasheet for ABIN988245

KIT Ligand Protein (KITLG)

2 Images

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Overview

Quantity:	50 µg
Target:	KIT Ligand (KITLG)
Origin:	Human
Source:	Yeast (Pichia pastoris)
Biological Activity:	Active

Product Details

Sequence:	MEGICRNRVT NNVKDVTKLV ANLPKDYMIT LKYVPGMDVL PSHCWISEMV VQLSDSLTDL LDKFSNISEG LSNYSIIDKL VNIVDDLVEC VKENSSKDLK KSFKSPEPRL FTPEEFFRIF NRSIDAFKDF VVASETSDCV VSSTLSPEKD SRVSVTKPFM LPPVanalys is The sequence of the first five N-terminal amino acids has been found to be Met-Glu-Gly-Ile-Cys
Characteristics:	The ED50, as determined by the dose-dependant stimulation of human TF-1 cells, is < 2 ng/ml, corresponding to a specific activity of 5×105 IU/mg.
Purity:	> 95 % by SDS-PAGE
Endotoxin Level:	level is less than 0.1 ng per myg (1 EU/myg) of human SC

Target Details

Target:	KIT Ligand (KITLG)
Alternative Name:	Stem Cell Factor (SCF) (KITLG Products)
Background:	SCF is a hematopoietic growth factor that exerts its activity during the early stages of hematopoiesis. SCF stimulates the proliferation of myeloid, erythroid, and lymphoid progenitors

Target Details

	in bone marrow cultures and has been shown to act synergistically with colony stimulating factors.SCF, P. Pichia Derived, human, is a single, glycosylated polypeptide chain containing 165 amino acids and having a molecular mass of ~20 KDa. Synonym: Stem Cell Factor (SCF), human 7. Formulation: Lyophilized from 10 mM Acetic acid.
Molecular Weight:	~20 KDa
Pathways:	RTK Signaling, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway

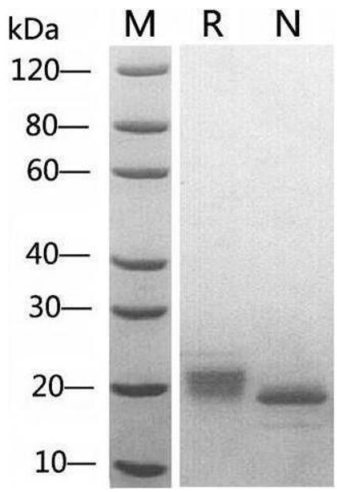
Application Details

Restrictions:	For Research Use only

Handling

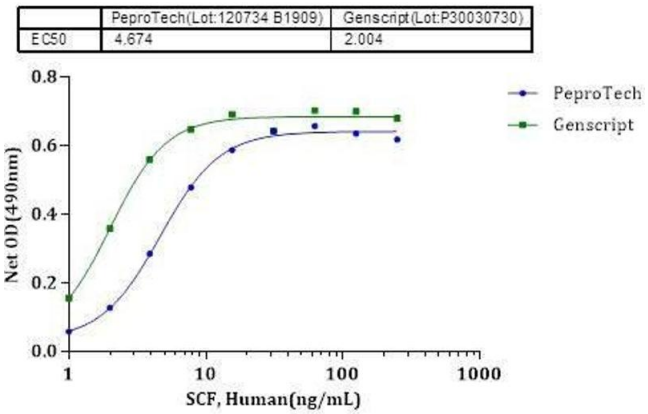
Format:	Lyophilized
Storage:	-20 °C

Images



SDS-PAGE

Image 1. 2 µg SCF, Human was resolved with SDS-PAGE under reducing (R) and non-reducing (N) conditions and visualized by Coomassie Blue staining.



Activity Assay

Image 2. SCF, Human inducing cell proliferation in R&D TF-1 cells. The ED50 for this effect is less than 2.00ng/mL