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SCF Recombinant Protein

CATALOG NUMBER: 90-538

Specifications

SPECIES:	Human
SOURCE SPECIES:	CHO cells
SEQUENCE:	The extracellular domain of human SCF (aa 26-187) is fused to the N-terminus of the Fc region of human IgG1.
FUSION TAG:	Fc Tag
APPLICATIONS:	This recombinant proteins is for research use only.
BIOLOGICAL ACTIVITY:	N/A

Properties

PURITY:	>98% (SDS-PAGE)
PHYSICAL STATE:	Lyophilized
BUFFER:	Lyophilized from 0.2um-filtered solution in PBS.
STORAGE CONDITIONS:	Stable for at least 1 year after receipt when stored at -20˚C. Working aliquots are stable for up to 3 months when stored at -20˚C.

Additional Info

ALTERNATE NAMES:	Stem Cell Factor, c-Kit Ligand, Kit Ligand, Mast Cell Grow Factor, MGF
ACCESSION NO.:	NP_003985
PROTEIN GI NO.:	4580420

Background

Stem cell factor (SCF), also known as cKit ligand (KL), mast cell growth factor (MGF) and steel factor (SLF), is a widely expressed 28-40 kDa type I transmembrane glycoprotein. It promotes the survival, differentiation and mobilization of multiple cell types including myeloid, erythroid, megakaryocytic, lymphoid, germ cell and melanocyte progenitors. SCF is a primary growth and activation factor for mast cells and eosinophils. Noncovalent dimers of transmembrane or soluble SCF interact with the receptor tyrosine kinase SCF R/cKit to trigger receptor dimerization and signaling. SCF assists in the recovery of cardiac function following myocardial infarction by increasing the number of cardiomyocytes and vascular channels.

FOR RESEARCH USE ONLY

December 14, 2016