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Datasheet for ABIN2018377

**KIT Ligand Protein (KITLG) (AA 26-189)**

## Overview

Quantity:	50 µg
Target:	KIT Ligand (KITLG)
Protein Characteristics:	AA 26-189
Origin:	Rat
Source:	HEK-293T Cells
Protein Type:	Recombinant
Biological Activity:	Active

## Product Details

Characteristics:	ED50 < 50 ng/mL, measured in a proliferation assay using TF-1 Cells.
Purity:	> 95 % as analyzed by SDS-PAGE.
Endotoxin Level:	< 0.2 EU/µg, determined by LAL method.

## Target Details

Target:	KIT Ligand (KITLG)
Alternative Name:	Stem Cell Factor (SCF) ( <a href="#">KITLG Products</a> )
Background:	<p>Stem Cell Factor (SCF) is a hematopoietic growth factor that binds to the c-Kit receptor. SCF exerts its activity during the early stages of hematopoiesis. SCF stimulates the proliferation of myeloid, erythroid, and lymphoid progenitors in bone marrow cultures and has been shown to act synergistically with colony stimulating factors.</p> <p>Synonyms: Stem Cell Factor, c-Kit Ligand, Mast Cell Growth Factor (MGF), Steel Factor</p>

## Target Details

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Molecular Weight:	10-20 kDa, observed by reducing SDS-PAGE.
NCBI Accession:	<a href="#">NP_068615</a>
Pathways:	<a href="#">RTK Signaling</a> , <a href="#">Fc-epsilon Receptor Signaling Pathway</a> , <a href="#">EGFR Signaling Pathway</a> , <a href="#">Neurotrophin Signaling Pathway</a>

## Application Details

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Restrictions:	For Research Use only
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## Handling

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Format:	Lyophilized
Reconstitution:	Reconstituted in ddH <sub>2</sub> O or PBS at 100 µg/mL.
Buffer:	Lyophilized after extensive dialysis against PBS.
Storage:	-80 °C
Storage Comment:	Lyophilized recombinant Rat Stem Cell Factor (SCF) remains stable up to 6 months at -80 °C from date of receipt. Upon reconstitution, Rat Stem Cell Factor (SCF) should be stable up to 1 week at 4 °C or up to 2 months at -20 °C.
Expiry Date:	6 months