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Datasheet for ABIN7321261 KIT Ligand Protein (KITLG) (His tag)





Overview

Quantity:	50 µg
Target:	KIT Ligand (KITLG)
Origin:	Rat
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This KIT Ligand protein is labelled with His tag.

Product Details

Purpose:	Recombinant Rat SCF/c-Kit Ligand Protein (E.coli, His Tag)
Sequence:	GIn26-Ala189
Characteristics:	Recombinant Rat Stem Cell Factor is produced by our E.coli expression system and the target gene encoding Gln26-Ala189 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	<1.0 EU per µg as determined by LAL test.

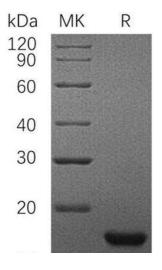
Target Details

Target:	KIT Ligand (KITLG)
Alternative Name:	SCF/c-Kit Ligand (KITLG Products)
Background:	Background: Stem cell factor (SCF), is the ligand for the receptor-type protein-tyrosine kinase KIT. It plays an essential role in the regulation of cell survival and proliferation, hematopoiesis,
	stem cell maintenance, gametogenesis, mast cell development, migration and function, and in

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Target Details

	melanogenesis. KITLG/SCF binding can activate several signaling pathways. It also promotes phosphorylation of PIK3R1, which is the regulatory subunit of phosphatidylinositol 3-kinase, and subsequent activation of the kinase AKT1. KITLG/SCF and KIT also transmit signals via GRB2 and activation of RAS, RAF1 and the MAP kinases MAPK1/ERK2 and/or MAPK3/ERK1. KITLG/SCF and KIT promote activation of STAT family members STAT1, STAT3 and STAT5.
	Synonym: FPH2, KIT ligand, Kitl, KITLG, KL-1, Mast cell growth factor, MGF, MGFSHEP7, SCF, SFc-Kit ligand, SLF, steel factor, Stem Cell Factor, c-kit Ligand
Molecular Weight:	19.3 kDa
UniProt:	P21581
Pathways:	RTK Signaling, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 μ m filtered solution of PBS, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.

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