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Datasheet for ABIN7454184
KIT Protein (AA 26-520) (Fc Tag)

Overview

Quantity:	100 µg
Target:	KIT
Protein Characteristics:	AA 26-520
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KIT protein is labelled with Fc Tag.

Product Details

Purpose:	Human CD117 Protein
Sequence:	Gln26-Pro520
Characteristics:	Recombinant Human CD117 Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Gln26-Pro520.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human SCF, No Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Human CD117, hFc Tag with the EC50 of 12.4ng/ml determined by ELISA. See testing image for detail.

Target Details

Target:	KIT
Alternative Name:	CD117 (KIT Products)
Background:	The c-kit proto-oncogen (CD 117) has been shown to be present in several cell types including normal and neoplastic hemopoietic cells. Among normal BM cells, CD117 expression has been found in about half of the CD34 precursors including progenitors committed to the erythroid, granulo-monocytic, and megakaryocytic cell lineages.
Molecular Weight:	82.46 kDa. Due to glycosylation, the protein migrates to 100-130 kDa based on Tris-Bis PAGE result.
Pathways:	RTK Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Sensory Perception of Sound , Stem Cell Maintenance , Production of Molecular Mediator of Immune Response , Regulation of long-term Neuronal Synaptic Plasticity

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in 20 mM PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months