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Datasheet for ABIN7454183
KIT Protein (AA 25-523) (His tag)

Overview

Quantity:	100 µg
Target:	KIT
Protein Characteristics:	AA 25-523
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KIT protein is labelled with His tag.

Product Details

Purpose:	Mouse CD117 Protein
Sequence:	Ser25-Pro523
Characteristics:	Recombinant Mouse CD117 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Ser25-Pro523.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	KIT
Alternative Name:	CD117 (KIT Products)

Target Details

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:	56.63 kDa. Due to glycosylation, the protein migrates to 75-100 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