Product Name: Recombinant Human CD117 (C-6His)
Catalog #: PHH0412

Summary

Name	CD117/c-kit/Mast/stem Cell Growth Factor Receptor Kit
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Mast/stem Cell Growth Factor Receptor Kit is produced by our Mammalian expression system and the target gene encoding Gln26-Thr520 is expressed with a 6His tag at the C-terminus.
Accession #	P10721
Host	Human Cells
Species	Human
Predicted Molecular Mass	56.5 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image

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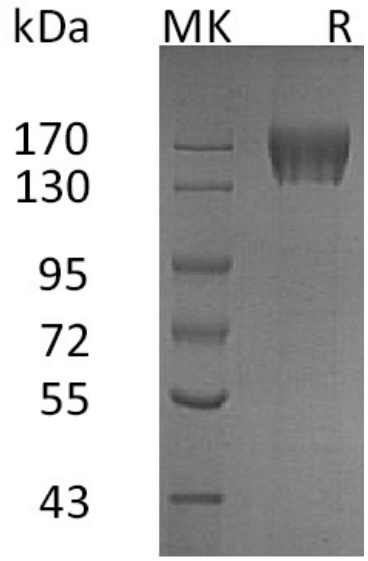

Alternative Names

Mast/stem cell growth factor receptor Kit; SCFR; Piebald trait protein; PBT; Proto-oncogene c-Kit; Tyrosine-protein kinase Kit; p145 c-kit; v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog; CD117; KIT

Background

C-Kit/SCF R is a type 3 transmembrane receptor for MGF (mast cell growth factor, also known as stem cell factor). c-Kit contains 5 Ig-like C2-type (immunoglobulin-like) domains and 1 protein kinase domain. It belongs to the protein kinase superfamily and CSF-1/PDGF receptor subfamily. SCF R expression on mast cells enables them to infiltrate SCF-secreting tumors where they promote tumor growth and induce local immune suppression. SCF R is up-regulated on dendritic cells by Th2-orTh17-biasing stimuli, and it is required for subsequent dendritic cell induction of Th2 and Th17 responses. SCF R protects vascular smooth muscle cells from apoptosis and assists in the recovery of cardiac function following myocardial infarction.

Note

For Research Use Only , Not for Diagnostic Use.