

Active Recombinant Human KIT protein, hFc&His-tagged

Cat. No. KIT-2645H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human c-Kit/CD117 Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Gln26-Thr520) of human KIT/c-KIT/CD117 (Accession #NP_000213.1) fused with an Fc, 6×His tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	Gln26-Thr520
Form	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Bio-activity	1.Measured by its binding ability in a functional ELISA. Immobilized recombinant human SCF at 1 µg/mL (100 µL/well) can bind recombinant human CD117 with a linear range of 1-6 ng/mL. 2.Measured by its binding ability in a functional ELISA. Immobilized Human SCF at 2 µg/mL (100 µL/well) can bind c-Kit/CD117 with a linear range of 0.049-9.11 ng/mL.
Molecular Mass	100-125 kDa
Endotoxin	< 0.1 EU/µg of the protein by LAL method.
Purity	> 97% by SDS-PAGE.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage Store the lyophilized protein at -20°C to -80 °C for long term.
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.

Reconstitution Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

GENE INFORMATION

Gene Name [KIT v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog \[Homo sapiens \]](#)

Official Symbol [KIT](#)

Synonyms KIT; v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog; PBT, piebald trait; mast/stem cell growth factor receptor Kit; C Kit; CD117; SCFR; p145 c-kit; proto-oncogene c-Kit; piebald trait protein; soluble KIT variant 1; tyrosine-protein kinase Kit; proto-oncogene tyrosine-protein kinase Kit; v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene-like protein; PBT; C-Kit;

Gene ID [3815](#)

mRNA Refseq [NM_000222](#)

Protein Refseq [NP_000213](#)

MIM [164920](#)

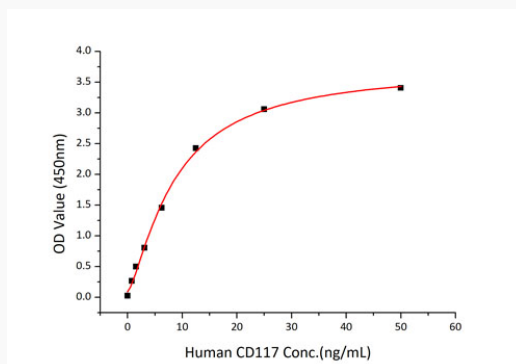
UniProt ID [P10721](#)

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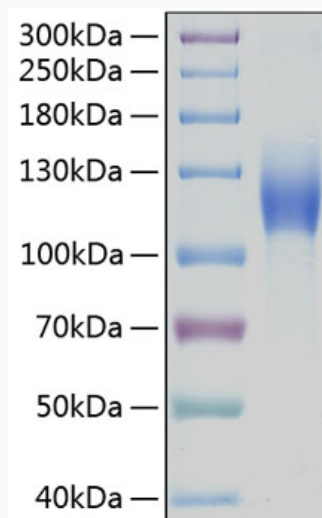
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Bio-activity



SDS-PAGE



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