

Active Recombinant Human KIT protein, His-tagged, Low Endotoxin

Cat. No. KIT-3947H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KIT protein(P10721-2)(Gln26-Thr516), fused with C-terminal His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	26-516 aa
Form	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human SCF at 5µg/ml (100µl/well) on the plate. Dose response curve for Human CD117, His Tag with the EC50 of 1.73µg/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 56.3 kDa. Due to glycosylation, the protein migrates to 70-100 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC
Storage	Store at -20 to -80°C for 24 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities

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for optimal storage. Please minimize freeze-thaw cycles.

Reconstitution Dissolve the lyophilized protein in 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](#)

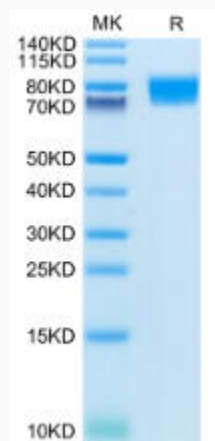
UniProt ID [P10721](#)

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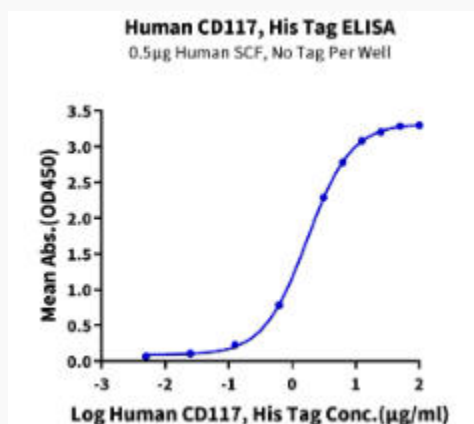
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Bis-Tris PAGE



ELISA Data



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