

Active Recombinant Human KIT protein, His&Avi-tagged, Biotinylated

Cat. No. KIT-0251H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human KIT protein(Met1-Thr516), fused with His&Avi tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Met1-Thr516
Form	Lyophilized from sterile PBS, pH 7.4.Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Immobilized Recombinant Human SCF / C-kit ligand Protein (aa 1-189, His Tag) at 2µg/mL (100µL/well) can bind Recombinant Human c-Kit Protein (ECD, His & AVI Tag), Biotinylated, the EC50 is 16-65 ng/mL.
Molecular Mass	The recombinant Human KIT consists of 517 amino acids and predicts a molecular mass of 58.50 kDa. It migrates as an approximately 87.1 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	≥ 95 % as determined by SDS-PAGE. ≥ 95 % as determined by SEC-HPLC.

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Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
Conjugation	Biotin
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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