

Recombinant Human KIT protein(Met1-Thr516), hFc-tagged

Cat. No. KIT-324H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KIT (P10721-2) (Met1-Thr516) was expressed in HEK293 with the Fc region of Human IgG1 at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	Met1-Thr516
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Immobilized Human SCF His at 2 µg/ml (100 µl/well) can bind Human c-Kit hFc, the EC50 of Human c-Kit hFc is 20-60 ng/mL.
Molecular Mass	The recombinant human KIT/Fc comprises 729 amino acids and has a predicted molecular mass of 82 kDa. The apparent molecular mass of the protein is approximately 93-115 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE
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

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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.

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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