

Recombinant Rat Kit protein(Met1-Thr522), hFc-tagged

Cat. No. Kit-7486R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat KIT (Q63116) (Met1-Thr522) was expressed in HEK293, fused with the Fc region of Human IgG1 at the C-terminus.
Species	Rat
Source	HEK293
ProteinLength	1-522 a.a.
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant rat KIT/Fc is a disulfide-linked homodimer. The reduced monomer comprises 738 amino acids and has a predicted molecular mass of 82.4 kDa. The apparent molecular mass of the protein is approximately 114-119 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 be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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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 [*Rattus norvegicus*]

Official Symbol

Kit

Synonyms

KIT; v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog; mast/stem cell growth factor receptor; protein kinase; c-kit receptor tyrosine kinase;

Gene ID

64030

mRNA Refseq

NM_022264

Protein Refseq

NP_071600

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