

Active Recombinant Mouse Kit protein(Met1-Thr523), hFc-tagged

Cat. No. Kit-4037M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse KIT isoform 1 (NP_001116205.1) extracellular domain (Met 1- Thr 523) was expressed in HEK293, fused with the Fc region of Human IgG1 at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Thr523
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	Measured by its binding ability in a functional ELISA. Immobilized mouse KITL at 2 µg/ml (100 µl/well) can bind mouse KIT / CD117 with a linear range of 1.28-32 ng/ml.
Molecular Mass	The secreted recombinant mouse KIT/Fc is a disulfide-linked homodimeric protein. The reduced monomer comprises 740 amino acids and has a predicted molecular mass of 82.5 kDa. As a result of glycosylation, the apparent molecular mass of rmKIT/Fc monomer is approximately 100-110 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method

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Purity	> 90 % 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.
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 kit oncogene [<i>Mus musculus</i>]
Official Symbol	Kit
Synonyms	KIT; kit oncogene; mast/stem cell growth factor receptor Kit; SCFR; belly-spot; dominant spotting; proto-oncogene c-Kit; spotted sterile male; Steel Factor Receptor; Dominant white spotting; tyrosine-protein kinase Kit; c-kit proto-oncogene protein; proto-oncogene tyrosine-protein kinase Kit; W; Bs; Fdc; Ssm; SCO1; SCO5; SOW3; CD117; c-KIT; Tr-kit; Gsfsc01; Gsfsc05; Gsfscow3;
Gene ID	16590
mRNA Refseq	NM_001122733
Protein Refseq	NP_001116205

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