

Active Recombinant Mouse TYRO3 Protein Tyrosine Kinase 3, His-tagged

Cat. No. Tyro3-414M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinantmouse Tyro3 protein was expressed in Murine myeloma cellline, NS0-derived, with a C-terminus 6-His tag. Ala31-Ser418.
Species	Mouse
Source	Mammalian Cells
ProteinLength	31-418 a.a.
Description	Tyro3 and Mer constitutea new receptor tyrosine kinase subfamily. The extracellular domain of theseproteins contain two Ig like motifs and two fibronectin type III motifs. Thischaracteristic topology is also found in neural cell adhesion molecules andin receptor tyrosine phosphatases.
Form	Lyophilized from a0.2 µm filtered solution in PBS.
N-terminal Sequence	Ala31
Molecular Weight	69 kDa
Activity	Measured by itsbinding ability in a functional ELISA. Immobilized rmDtk/Fc Chimera at 5µg/mL (100 µL/well) can bind rhGas6 with a linear range of 3-200 ng/mL.
Endotoxin Level	<1.0 EU per 1 µgof the protein by the LAL method.

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Purity	>90%,by SDS-PAGE under reducing conditions and visualized by silver stain.
Reconstitution	Reconstitute at 100µg/mL in PBS.
Storage	Use amannual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month,2 to 8 °C under sterile conditions after reconstitution. 3 months, -20 to -70 °C under sterile conditions afterreconstitution.

GENE INFORMATION

Gene Name	Tyro3TYRO3 protein tyrosine kinase 3 [<i>Mus musculus</i>]
Official Symbol	Tyro3
Synonyms	Tyro3; TYRO3 proteintyrosine kinase 3; Brt; Dtk; Rse; Sky; Tif; Etk-2; AI323366; OTTMUSP000000017809;OTTMUSP000000017810; tyrosine-protein kinase receptor TYRO3; KT19-2; etk2/tyro3;tyrosine-protein kinase DTK; tyrosine-protein kinase RSE; EC 2.7.10.1
Gene ID	22174
mRNA Refseq	NM_019392
Protein Refseq	NP_062265
UniProt ID	P55144
Chromosome Location	2

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Function

ATP binding; kinase activity; nucleotide binding; phosphatidylinositol 3-kinase binding; protein heterodimerization activity; protein kinase activity; protein tyrosine kinase activity; receptor activity; transferase activity; transferase activity, transferring phosphorus-containing groups; transmembrane receptor protein tyrosine kinase activity

Rendering based on PDB 3JYH.

