

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

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

## SPECIFICATION

<b>Product Overview</b>	Recombinant mouse Tyro3 protein was expressed in Murine myeloma cellline, NS0-derived, with a C-terminus 6-His tag. Ala31-Ser418.
<b>Species</b>	Mouse
<b>Source</b>	Mammalian Cells
<b>Protein Length</b>	31-418 a.a.
<b>Description</b>	Tyro3 and Mer constitute a new receptor tyrosine kinase subfamily. The extracellular domain of these proteins contain two Ig like motifs and two fibronectin type III motifs. This characteristic topology is also found in neural cell adhesion molecules and in receptor tyrosine phosphatases.
<b>Form</b>	Lyophilized from a 0.2 µm filtered solution in PBS.
<b>N-terminal Sequence</b>	Ala31
<b>Molecular Weight</b>	69 kDa
<b>Activity</b>	Measured by its binding ability in a functional ELISA. Immobilized rmDtk/Fc Chimera at 5 µg/mL (100 µL/well) can bind rhGas6 with a linear range of 3-200 ng/mL.
<b>Endotoxin Level</b>	<1.0 EU per 1 µg of the protein by the LAL method.

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<b>Purity</b>	>90%,by SDS-PAGE under reducing conditions and visualized by silver stain.
<b>Reconstitution</b>	Reconstitute at 100µg/mL in PBS.
<b>Storage</b>	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

<b>Gene Name</b>	Tyro3TYRO3 protein tyrosine kinase 3 [ <i>Mus musculus</i> ]
<b>Official Symbol</b>	Tyro3
<b>Synonyms</b>	Tyro3; TYRO3 proteintyrosine kinase 3; Brt; Dtk; Rse; Sky; Tif; Etk-2; AI323366; OTTMUSP00000017809;OTTMUSP00000017810; tyrosine-protein kinase receptor TYRO3; KT19-2; etk2/tyro3;tyrosine-protein kinase DTK; tyrosine-protein kinase RSE; EC 2.7.10.1
<b>Gene ID</b>	22174
<b>mRNA Refseq</b>	NM_019392
<b>Protein Refseq</b>	NP_062265
<b>UniProt ID</b>	P55144
<b>Chromosome Location</b>	2

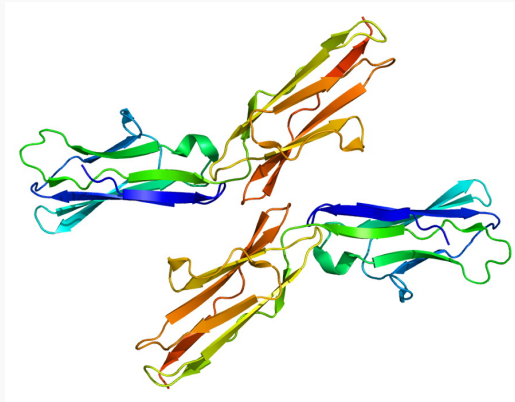
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**Function**

ATP binding; kinase activity; nucleotidebinding; phosphatidylinositol 3-kinase binding; protein heterodimerizationactivity; protein kinase activity; protein tyrosine kinase activity; receptoractivity; transferase activity; transferase activity, transferring phosphorus-containinggroups; transmembrane receptor protein tyrosine kinase activity

**Rendering based  
onPDB 3JYH.**

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