

## Active Recombinant Human TYRO3, GST-tagged

Cat. No. TYRO3-1506H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human TYRO3 (455-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
<b>Species</b>	Human
<b>Source</b>	Sf9 Cells
<b>ProteinLength</b>	455 aa-end
<b>Description</b>	TYRO3 receptor protein tyrosine kinase together with AXL and MER form the AXL/TYRO3 family of receptor tyrosine kinases. Members of this family play an essential role in spermatogenesis, immunoregulation, and phagocytosis. In addition to signal transduction, members of this family of receptor tyrosine kinases participate in cell adhesion. Gas6, a product of growth arrest-specific gene, activates the kinase activity of all three receptors. TYRO3 is expressed in the brain (where it is involved in the protection of neurons from apoptosis), expressed in lymphoid, vascular and reproductive tissue and in primary and tumor cell lines.
<b>Form</b>	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.
<b>Bio-activity</b>	154 nmol/min/mg
<b>Molecular Mass</b>	~77 kDa

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<b>Purity</b>	>80%
<b>Applications</b>	Kinase Assay, Western Blot
<b>Storage</b>	Store at –70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. Avoid freeze/thaw cycles.
<b>Concentration</b>	0.1 µg/µl
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	TYRO3 TYRO3 protein tyrosine kinase [ Homo sapiens ]
<b>Official Symbol</b>	TYRO3
<b>Synonyms</b>	TYRO3; TYRO3 protein tyrosine kinase; RSE; tyrosine-protein kinase receptor TYRO3; Brt; Dtk; Sky; Tif; tyrosine-protein kinase DTK; tyrosine-protein kinase RSE; tyrosine-protein kinase SKY; tyrosine-protein kinase byk; BYK; FLJ16467;
<b>Gene ID</b>	7301
<b>mRNA Refseq</b>	NM_006293
<b>Protein Refseq</b>	NP_006284
<b>MIM</b>	600341
<b>UniProt ID</b>	Q06418
<b>Chromosome Location</b>	15q15.1-q21.1

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**Function**

ATP binding; nucleotide binding; phosphatidylinositol 3-kinase binding; protein binding; protein heterodimerization activity; protein tyrosine kinase activity; receptor activity; receptor signaling protein tyrosine kinase activity; transmembrane receptor protein tyrosine kinase activity;

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