

Active Recombinant Human TYRO3, GST-tagged

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

SPECIFICATION

Product Overview	Recombinant human TYRO3 (455-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	455 aa-end
Description	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 tryrosine 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.
Form	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.
Bio-activity	154 nmol/min/mg
Molecular Mass	~77 kDa

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Purity	>80%
Applications	Kinase Assay, Western Blot
Storage	Store at –70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. Avoid freeze/thaw cycles.
Concentration	0.1µg/µl

GENE INFORMATION

Gene Name	TYRO3 TYRO3 protein tyrosine kinase [Homo sapiens]
Official Symbol	TYRO3
Synonyms	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;
Gene ID	7301
mRNA Refseq	NM_006293
Protein Refseq	NP_006284
MIM	600341
UniProt ID	Q06418
Chromosome Location	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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