

Recombinant Human TYRO3 Protein Tyrosine Kinase, GST-tagged, Active

Cat. No. TYRO3-254H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human TYRO3 (455-end) was expressed by baculovirus in Sf9 insect cell using an N-terminal GST tag. MW = 77 kDa.
Species	Human
Source	Sf9 Cells
Protein Length	455-end a.a.
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 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.
Sequence	455-end.
Applications	Kinase Assay, Western Blot.
Storage And Stability	Store product at -70°C . For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable

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performance, avoid repeated handling and multiple freeze/thaw cycles.

GENE INFORMATION

Gene Name	TYRO3 TYRO3 protein tyrosine kinase [Homo sapiens]
Synonyms	TYRO3 protein tyrosine kinase; BYK; Brt; Dtk; RSE; Sky; Tif; FLJ16467; TYRO3; tyrosine-protein kinase receptor TYRO3; Tyro3 protein tyrosine kinase (sea-related receptor tyrosine kinase); DTK; EC 2.7.10.1; SKY; Tyrosine-protein kinase DTK; Tyrosine-protein kinase RSE; Tyrosine-protein kinase SKY; Tyrosine-protein kinase byk
Gene ID	7301
mRNA Refseq	NM_006293
Protein Refseq	NP_006284
MIM	600341
UniProt ID	Q06418
Chromosome Location	15q15.1-q21.1
Function	ATP binding; nucleotide binding; phosphoinositide 3-kinase binding; protein binding; receptor activity; transferase activity; receptor signaling protein tyrosine kinase activity; transmembrane receptor protein tyrosine kinase activity

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PDB rendering based
on 1rhf.

