

Recombinant Human TYRO3 Protein Tyrosine Kinase, GST-His

Cat. No. TYRO3-749H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human TYRO3 Protein Tyrosine Kinase Amino acids R452-C890, N-terminally fused to GST-His6-Thrombin cleavage site. It is expressed in <i>Baculovirus</i> infected <i>Sf9</i> cells.
Species	Human
Source	Sf9 Cells
ProteinLength	452-890 a.a.
Description	Dtk belongs to a recently recognized subfamily of receptor tyrosine kinases that also includes Ufo (Axl/Ark) and Mer (Eyk). Ligands for Dtk and Ufo have been identified as protein S and the related molecule Gas6, respectively. Dtk is likely to be involved in the regulation of hematopoiesis, particularly during the embryonic stages of blood cell development. DTK is also abundantly expressed in adult kidney, testis, and ovary.
Purification	One-step affinity purification using GSH-agarose.
Product Identity	TYRO3 was confirmed as human TYRO3 by mass spectroscopy LC-ESI-MS/MS (Protagen AG, Germany).
MW	78.384 Da.
Storage Buffer	50 mM Tris-HCl, pH 8.0; 100 mM NaCl, 5 mM DTT, 4 mM reduced glutathione, 20% glycerol.

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Concentration	0.086 µg/µl.
Specific Activity	129 pmol/µg×min.
Storage	-80°C. Avoid repeated freeze-thaw cycles!
GENE INFORMATION	
Gene Name	TYRO3 TYRO3 protein tyrosine kinase [Homo sapiens]
Synonyms	TYRO3; TYRO3 protein tyrosine kinase; BYK; Brt; Dtk; RSE; Sky; Tif; FLJ16467; Tyrosine-protein kinase receptor TYRO3; Tyrosine-protein kinase RSE; Tyrosine-protein kinase SKY; Tyrosine-protein kinase DTK; Tyrosine-protein kinase byk; EC 2.7.10.1
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; receptor signaling protein tyrosine kinase activity; transferase activity; transmembrane receptor protein tyrosine kinase activity

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