

Recombinant Human TYRO3 Protein Tyrosine Kinase

Cat. No. TYRO3-484H Lot. No. (See product label)

SPECIFICATION

Species

Human

Source

Mammalian Cells

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.

Molecular Weight

The predicted molecular weight of Recombinant Human Dtk is Mr 69 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 100-110 kDa.

State Of Matter

Lyophilized.

Purity

> 90% by SDS Page and analyzed by silver stain.

Endotoxin

< 1.0 EU/g as determined by the LAL method.

Storage And Stability

This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions.

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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
UniProt ID	Q06418
Chromosome Location	15q15.1-q21.1
MIM	600341
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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