

Product datasheet for **TP727757**

TYRO3 Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Tyrosine-protein Kinase Receptor TYRO3 (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Ala41-Ser428
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Note:	Recombinant Human Tyrosine-protein Kinase Receptor TYRO3 is produced by our Mammalian expression system and the target gene encoding Ala41-Ser428 is expressed with a 6His tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	7301
UniProt ID:	Q06418
Summary:	Axl (Ufo, Ark), Dtk (Sky, Tyro3, Rse, Brt) and Mer (human and mouse homologues of chicken cEyk) constitute a new receptor tyrosine kinase subfamily. The extracellular domain of these proteins contain two Ig-like motifs and two fibronectin type III motifs. This characteristic topology is also found in neural cell adhesion molecules and in receptor tyrosine phosphatases. All three receptors bind the vitamin K-dependent protein growth-arrest specific gene 6 (Gas6) which is structurally related to the anticoagulation factor protein S. The binding affinities for Gas6 is in the order of Axl > Dtk > Mer. Gas6 binding induces tyrosine phosphorylation and downstream signaling pathways that can lead to cell proliferation, migration, or the prevention of apoptosis. Dtk is widely expressed during embryonic development. In adults, Dtk is predominantly expressed in neurons in restricted regions of the brain.



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