

## 32-8636: Recombinant Mouse Tyrosine-Protein Kinase Receptor TYRO3/DTK (C-Fc)

**Gene :** Tyro3  
**Gene ID :** 22174  
**Uniprot ID :** P55144

### Description

Source: Human Cells.  
MW :68.9kD.

Recombinant Mouse Tyrosine Protein Kinase Receptor TYRO3 is produced by our Mammalian expression system and the target gene encoding Ala31-Ser418 is expressed with a Fc tag at the C-terminus. Dtk, also called Tyro3, belongs to the TAM receptor family of receptor protein tyrosine kinases (RPTKs) composed of three receptors Tyro3, Axl, and Mer. These receptors share a characteristic molecular structure of two immunoglobulin-like and two fibronectin type III repeats and have been best characterized for their roles in immune regulation, fertility, thrombosis and phagocytosis. Gas6 and protein S have been identified as ligands for these receptors. Gas6 binding induces tyrosine phosphorylation and downstream signaling pathways that can lead to cell proliferation, migration, or the prevention of apoptosis. Tyro3 and Axl play important regulatory roles in a variety of tissues, including the central nervous, reproductive, immune, and vascular systems. Tyro3 is widely expressed during embryonic development and preferentially expressed during neurogenesis in the central nervous system.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** AGLKLMGAPVKMTVSQQQPVKLNCSVEGMEDPDIHWMKDGTVVQNASQVSISEHSWIGLLSLK  
SVERSDAGLYWCQVKDGEETKISQSVWLTVEGVPFFTVEPKDLAVPPNAPFQLSCEAVGPPEPVTI  
YWWRGLTKVGGPAPSPSVLNVGTGTQRTEFSCEARNIKGLATSRPAIVRLQAPPAAPFNTTVTTIS  
SYNASVAWVPGADGLALLHSCTVQVAHAPGEWEALAVVVPVPPFTCLLRNLAPATNYSRLVRCAN  
ALGPSYGDWVPFQTKGLAPARAPQNFHAIRTDGLILEWEEVIPEDPGEGPLGPYKLSWVQENG  
TQDELMVEGTRANLTDWDPQKDLILRVCASNAIGDGPWSQPLVVSSH DHAGRQGPPHSRTSVDDI  
EGRMDEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFN  
WYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKG  
QPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFL  
YSKLTVDKSRWQQGNV FSCSV MHEALHNHYTQKSLSLSPGK

### Application Note

**Endotoxin :** Less than 0.1 ng/Åµg (1 IEU/Åµg) as determined by LAL test.