

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 : AGLKLMGAPVKMTVSQGQPVKLNCSVEGMEDPDIHWMKDGTVVQNASQVSISEHSWIGLLSLKSVERSDA
GLYWCQVKDGEETKISQSVWLTVEGVPFFTEPKDLAVPPNAPFQLSCEAVGPPPEVTIYWWRGLTKVGGPAP
SPSVLNVTGVTQRTEFSCEARNIKGLATSRPAIVRLQAPPAAPFNNTTIVTTISSYNASVAWVPGADGLALLHSCTV
QVAHAPGEWEALAVVVPVPPFTCLLRNLAPATNYSRLVRCANALGSPYGDWVPPFQTKGLAPARAPQNFHAIR
TDSGLILEWEEVIPEDPGEGPLGPYKLSWVQENGTQDELMVEGTRANLTDWDPQKDLILRVCASNAIGDGPWS
QPLVVSSHDHAGROGPPHSRTSVDDIEGRMDEPKSCDKTHTCPPCPAPPELLGGPSVFLFPPKPKDITLMISRTPE
VTCVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPA
PIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSDGSFF
LYSKLTVDKSRWQQGNVFCFSVMHEALHNHYTQKSLSLSPGK

Application Note

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