

Product datasheet for TP511050

Tyro3 (BC082325) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Purified recombinant protein of Mouse TYRO3 protein tyrosine kinase 3 (cDNA clone MGC:90668 IMAGE:30356080), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

Species: Mouse

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >MR211050 representing BC082325
Red=Cloning site **Green**=Tags(s)

MALRRSMGWPGRLRPLLLAGLASLLLPGSAAAGLKL MGAPVKMTVSQGQPVKLNCSVEGMEDPDIHWMKDG
TVVQNASQVSISISEHSWIGLLSLKSVERSDAGLYWCQVKDGEETKISQSVWLTVEGVPFFTVEPKDLAV
PPNAPFQLSCEAVGPPEPVTIYWWRGLTKVGGPAPSPSVLNVTGVTQRTEFSCEARNIKGLATSRPAIVR
LQAPPAAPFNNTTVTTISSYNASVAWVPGADGLALLHSCTVQVAHAPGEWEALAVVVPVPPFTCLLRNLAP
ATNYSLRVRCANALGSPYGDWVPFQTKGLAPARAPQNFHAIRTDGLILEWEEVIPEDPGEGPLGPYKL
SWVQENGTQDELMVEGTRANLTDWDPQKDLILRVCASNAIGDGPWSQPLVSSHDHAGRQPPHSRTSWW
PVVLGVLTAALALILLRKRKTRFGQAFDSVMARGEPVHFRAARSFNRERPERIEATLDSLGI
SDELKEKLEDVLIPEQQFTLGRMLGKGEFGSVREAQLKQEDGSFVKVAVKMLKADIIASSDIEEFLREAA
CMKEFDHPHVAKLVGVSLRSRAKGRLPIMVILPFMKHGDLHAFLASRIGENPFNLPLQTLVRFMVDIA
CGMEYLSSRNFIHRDLAARNCMLAEDMTVCVADFGLSRKIYSGDYRQGCASKLPVKWLALESADNLTY
VHSDVWAFGVTMWEIMTRGQTPYAGIENAEIYNYLIGGNRLKQPPECMEEVYDLMYQCWSADPKQRPSFT
CLRMELENILGHLSVLSTSQDPLYINIERAEQPTESGSPEVHCGERSSEAGDGGSGVAVGGIPSDSRYI
FSPGGLSESPGQLEQQPESPLNENQRLLLLQQLLPHSSC

SGPTRRRLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK

Predicted MW: 145.2 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.



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Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Locus ID:	22174
UniProt ID:	P55144
RefSeq Size:	3960
Cytogenetics:	2 59.97 cM
RefSeq ORF:	2640
Synonyms:	Dtk, Rse, Sky, Tif, Etk-2
Summary:	<p>Receptor tyrosine kinase that transduces signals from the extracellular matrix into the cytoplasm by binding to several ligands including TULP1 or GAS6. Regulates many physiological processes including cell survival, migration and differentiation. Ligand binding at the cell surface induces dimerization and autophosphorylation of TYRO3 on its intracellular domain that provides docking sites for downstream signaling molecules. Following activation by ligand, interacts with PIK3R1 and thereby enhances PI3-kinase activity. Activates the AKT survival pathway, including nuclear translocation of NF-kappa-B and up-regulation of transcription of NF-kappa-B-regulated genes. TYRO3 signaling plays a role in various processes such as neuron protection from excitotoxic injury, platelet aggregation and cytoskeleton reorganization. Plays also an important role in inhibition of Toll-like receptors (TLRs)-mediated innate immune response by activating STAT1, which selectively induces production of suppressors of cytokine signaling SOCS1 and SOCS3. [UniProtKB/Swiss-Prot Function]</p>