

Product datasheet for **TP726722**

Ntrk3 Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Mouse TrkC (C-6His)
Species:	Mouse
Expression cDNA Clone or AA Sequence:	Cys32-Thr429
Tag:	C-6His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH7.4.
Note:	Recombinant Mouse NT-3 Growth Factor Receptor is produced by our Mammalian expression system and the target gene encoding Cys32-Thr429 is expressed with a 6His tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	18213
UniProt ID:	Q6VNS1
Summary:	Three Trk family proteins, TrkA, TrkB, and TrkC, exhibiting different ligand specificities, have been identified. TrkA binds NGF and NT-3, TrkB binds BDNF, NT-3 and NT-4/5, and TrkC only binds NT-3. The primary location of TrkC expression is in the nervous system and, specifically, in regions of the CNS. Low level TrkC expression has also been observed in a wide variety of tissues outside the nervous system. Receptor tyrosine kinase involved in nervous system and probably heart development. Upon binding of its ligand NTF3/neurotrophin-3, NTRK3 autophosphorylates and activates different signaling pathways, including the phosphatidylinositol 3-kinase/AKT and the MAPK pathways, that control cell survival and differentiation.



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