

## Product datasheet for **TP726786**

### Ntrk1 Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Mouse TrkA/Ntrk1 (C-6His)
Species:	Mouse
Expression cDNA Clone or AA Sequence:	Ala34-Pro418
Tag:	C-6His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH7.4.
Note:	Recombinant Mouse High Affinity Nerve Growth Factor Receptor is produced by our Mammalian expression system and the target gene encoding Ala34-Pro418 is expressed with a 6His tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	18211
UniProt ID:	<a href="#">Q3UFB7</a>
Summary:	TrkA (Tyrosine kinase receptor A), also known as High affinity NGF receptor, is a member of the neurotrophic tyrosine kinase receptor family that has three members. It is a membrane-bound receptor that, upon neurotrophin binding, phosphorylates itself and members of the MAPK pathway. Higher affinity binding of NGF requires the coexpression of TrkA with the p75 NGF receptor (NGFR), a member of the tumor necrosis factor receptor superfamily. Mutations in TRKA gene have been associated with congenital insensitivity to pain, anhidrosis, self-mutilating behavior, mental retardation and cancer. It was originally identified as an oncogene as it is commonly mutated in cancers, particularly colon and thyroid carcinomas.



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