Product Name: Recombinant Mouse TrkA (C-6His)
Catalog #: PHM2345

Summary

Name	TrkA/Ntrk1
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	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.
Accession #	Q3UFB7
Host	Human Cells
Species	Mouse
Predicted Molecular Mass	42.9 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image

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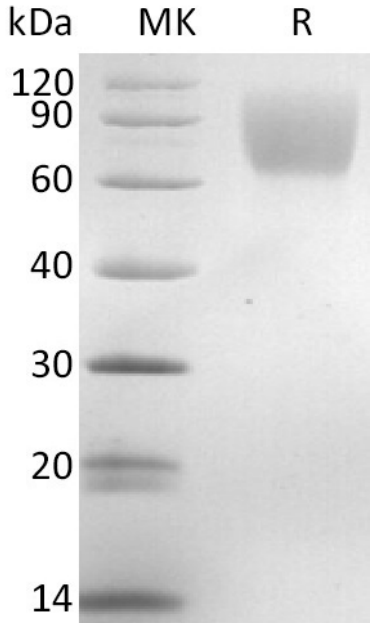

Alternative Names

NTRK1; NTRK-1; p140-TrkA; TRK1-transforming tyrosine kinase protein; TrkA; Trk-A; TRKAOncogene TRK; TRKTRK1

Background

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.

Note

For Research Use Only , Not for Diagnostic Use.