

TrkC Protein, Mouse (HEK293, His)

Cat. No.:	HY-P71386
Synonyms:	GP145-TrkC; TrkC; trk-C; Neurotrophic tyrosine kinase receptor type 3; TrkC tyrosine kinase; NT-3 Growth Factor Receptor
Species:	Mouse
Source:	HEK293
Accession:	Q6VNS1 (C32-T429)
Gene ID:	18213
Molecular Weight:	80-110 kDa

PROPERTIES

AA Sequence	<p> C P A N C V C S K T E I N C R R P D D G N L F P L L E G Q D S G N S N G N A S I N I T D I S R N I T S I H I E N W R G L H T L N A V D M E L Y T G L Q K L T I K N S G L R N I Q P R A F A K N P H L R Y I N L S S N R L T T L S W Q L F Q T L S L R E L R L E Q N F F N C S C D I R W M Q L W Q E Q G E A R L D S Q S L Y C I S A D G S Q L P L F R M N I S Q C D L P E I S V S H V N L T V R E G D N A V I T C N G S G S P L P D V D W I V T G L Q S I N T H Q T N L N W T N V H A I N L T L V N V T S E D N G F T L T C I A E N V V G M S N A S V A L T V Y Y P P R V V S L V E P E V R L E H C I E F V V R G N P T P T L H W L Y N G Q P L R E S K I I H M D Y Y Q E G E V S E G C L L F N K P T H Y N N G N Y T L I A K N A L G T A N Q T I N G H F L K E P F P E S T D F F D F E S D A S P T P P I T V T H K P E E D T </p>
Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background

The TrkC protein, a receptor tyrosine kinase, plays a crucial role in nervous system and potentially heart development. When its ligand NTF3/neurotrophin-3 binds, NTRK3 undergoes autophosphorylation, initiating various signaling pathways, including the phosphatidylinositol 3-kinase/AKT and the MAPK pathways. These cascades intricately regulate cell survival and differentiation, highlighting TrkC's pivotal role in orchestrating fundamental processes during development.

Caution: Product has not been fully validated for medical applications. For research use only.

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