

TrkC Protein, Human (HEK293, His-Fc)

Cat. No.:	HY-P73464
Synonyms:	TrkC; NT-3 Growth Factor Receptor; NTRK3; TRKC
Species:	Human
Source:	HEK293
Accession:	Q16288 (M1-D428)
Gene ID:	4916
Molecular Weight:	110-120 kDa

PROPERTIES

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. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
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.
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	TrkC Protein, a receptor tyrosine kinase, plays a crucial role in nervous system and potential heart development. Upon binding to its ligand NTF3/neurotrophin-3, TrkC undergoes autophosphorylation, initiating various signaling pathways such as the phosphatidylinositol 3-kinase/AKT and the MAPK pathways. These pathways are instrumental in regulating cell survival and differentiation, highlighting the pivotal role of TrkC in orchestrating essential cellular processes during development.
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Caution: Product has not been fully validated for medical applications. For research use only.

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