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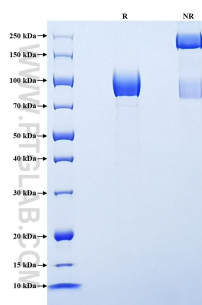
Recombinant Rat TrkA protein (rFc Tag) (HPLC verified)



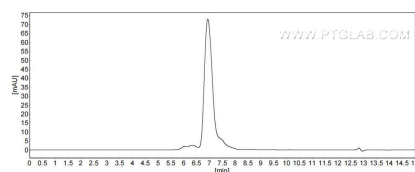
Catalog Number: Eg3210

Basic Information	Species: Rat	Purity: >90 %, SDS-PAGE >90 %, SEC-HPLC	Tag: rFc Tag
Technical Specifications	Purity: >90 %, SDS-PAGE >90 %, SEC-HPLC Endotoxin Level: <0.1 EU/ μg protein, LAL method Source: HEK293-derived Rat TrkA protein Ala33-Pro418 (Accession# P35739-1) with a rabbit IgG Fc tag at the C-terminus. GeneID: 59109 Accession: P35739-1 Predicted Molecular Mass: 68.5 kDa SDS-PAGE: 80-120 kDa, reducing (R) conditions Formulation: Lyophilized from 0.22 μm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.		
Biological Activity	Not tested		
Storage and Shipping	Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. • Until expiry date, -20°C to -80°C as lyophilized proteins. • 3 months, -20°C to -80°C under sterile conditions after reconstitution. Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	TrkA belongs to the Trk receptor family, which plays a central role in a very broad range of cellular responses and is implicated in a spectrum of human pathologies, including Alzheimer's, Parkinson's diseases, pain, and notably cancer. TrkA in particular was first to be identified as a specific receptor for NGF and is activated upon NGF binding.		
References	1. Zhao S, et al. (2020). Commun Biol. 3(1):706. 2. Kaplan DR, et al. (1991). Nature. 350:158–160. 3. Klein R, et al. (1991). Cell. 65:189–197.		
Synonyms	High affinity nerve growth factor receptor, Neurotrophic tyrosine kinase receptor type 1, Ntrk1, p140-TrkA, Slow nerve growth factor receptor		

Selected Validation Data



Purity of Recombinant Rat TrkA was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.



The purity of Rat TrkA was greater than 90% as determined by SEC-HPLC.