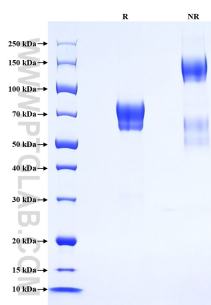


Recombinant Human NGFR/TNFRSF16 protein (rFc Tag)(HPLC verified)

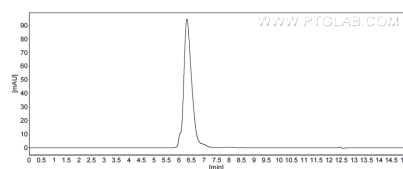
Catalog Number: Eg4829

Basic Information	Species: Human	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 Human NGFR protein Lys29-Asn250 (Accession# P08138-1) with a rabbit IgG Fc tag at the C-terminus. GeneID: 4804 Accession: P08138-1 Predicted Molecular Mass: 49.8 kDa SDS-PAGE: 60-80 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	NGFR, also named as p75 ICD and CD271, a member of the tumor necrosis factor superfamily. It is highly expressed in both neurons and glial cells during CNS development and after brain injury, whereas in normal adulthood, it is present only in specific brain regions such as neurons and astrocytes of hippocampal and especially in the cholinergic neurons of the basal forebrain. NGFR can mediate cell survival or cell death, can promote or inhibit axonal growth, and can facilitate or attenuate proliferation, depending on the cell context.		
References	1.Cragolini AB and Friedman WJ. (2008) Trends Neurosci. 31(2):99-104. 2.Chen M. et al. (2022) Cell Mol Neurobiol. 42(4):1153-1166. 3.Yang CR. et al. (2022) FASEB J. 36(3):e22180. 4.Ali NH. Et al. (2024) Mol Neurobiol. 61(5):2469-2480. 5.Xie B. et al. (2023) Front Cell Dev Biol. 11:1283878.		
Synonyms	NGFR, CD271, Gp80 LNGFR, Gp80-LNGFR, Low-affinity nerve growth factor receptor		

Selected Validation Data



Purity of Recombinant Human NGFR 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 Human NGFR/TNFRSF16 was greater than 90% as determined by SEC-HPLC.

For technical support and original validation data for this product please contact

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