

For Research Use Only

Recombinant Human NRG2 protein (rFc Tag)



Catalog Number: Eg4172

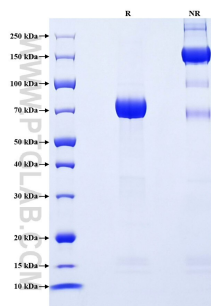
Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	Purity: >90 %, SDS-PAGE Endotoxin Level: <0.1 EU/μg protein, LAL method Source: HEK293-derived Human NRG2 protein Cys112-Lys404 (Accession# O14511-1) with a rabbit IgG Fc tag at the C-terminus. GeneID: 9542 Accession: O14511-1 Predicted Molecular Mass: 58.9 kDa SDS-PAGE: 65-75 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	NRG2 is a novel member of the neuregulin family of growth and differentiation factors. By interacting with the ERBB family of receptors, this protein induces the growth and differentiation of epithelial, neuronal, glial and other cell types. The gene consists of 12 exons and the genomic structure is similar to that of neuregulin 1, another member of the neuregulin family of ligands. The products of these genes mediate different biological processes by acting at different sites in tissues and eliciting different biological responses in cells. This gene is close to the Charcot-Marie-Tooth demyelinating disease locus, but does not cause the disease.		
References	1. Yan L. et al. (2018) Mol Psychiatry. 23(5):1233-1243. 2. Falls DL. (2003) Exp Cell Res. 284(1):14-30. 3. Zhao WJ. et al. (2021) Folia Neuropathol. 59(2):189-197. 4. Czarnek M. et al. (2020) Mol Neurobiol. 57(4):1799-1813.		
Synonyms	neuregulin 2, neuregulin2, Neuregulin-2, NTAK, Pro NRG2		

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

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Selected Validation Data



Purity of Recombinant Human NRG2 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.