

Datasheet for ABIN7554801

Neuregulin 3 Protein (NRG3) (AA 1-720) (His tag)



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Overview

Quantity:	1 mg
Target:	Neuregulin 3 (NRG3)
Protein Characteristics:	AA 1-720
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Neuregulin 3 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat NRG3 Protein expressed in mammalien cells.
Sequence:	<p>MSEGAAAASP PGAASAAAAS AEEGTAAAAA AAAAGGGPDG GGEGAAEPPR ELRCSDCIWV NRQQTWLCVV PLFIGFIGLG LSLMLLKWIV VGSVKEYVPT DLVDSKGMGQ DPFFLSKPSS FPKAMETTTT TTSTTSPATP SAGGAASSRT PNRISTRLLT ITRAPTRFPG HRVPIRASPR STTARNTAAP ATPVSTTAPF FSSSTLGSRP PVPGTPSTQA MPSWPTAAYA TSSYLHDSTP SWTLSPFQDA ASSSSSSSSS ATTTTPETST SPKFHTTTYS TERSEHFKPC RDKDLAYCLN DGEFVIETL TGSHKHCRCK EGYQGVRCQ FLPKTDLSILS DPTDHLGIEF MESEEVYQRQ VLSISCIIFG IVIVGMFCAA FYFKSKKQAK QIQEQLKVPQ NGKSYSLKAS STMAKSENLV KSHVQLQNYK KVERHPVTAL EKMMESSFVG PQSFPEVPSP DRGSQSVKHH RSLSSCCSPG QRSGMLHRNA FRRTPPSPRS RLGGIVGPAY QLEESRIPD QDTIPCQIE VRKTISHLPI QLWCVERPLD LKYSSSGLKT QRNTSINMQL PSRETNPYFN SLEQKDLVGY SSTRASSVPI IPSVGLEETC LQMPGISEVK SIKWCKNSYS ADVVNSIPV SDCLIAEQQE VKILLETVQE</p>

Product Details

QIRILTDARR SEDYELASVE TEDSASENTA FLPLSPTAKS EREAQFVLRN EIQRDSALTK **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

Neuregulin 3 (NRG3)

Alternative Name:

NRG3 ([NRG3 Products](#))

Background:

Pro-neuregulin-3, membrane-bound isoform (Pro-NRG3) [Cleaved into: Neuregulin-3 (NRG-3)],FUNCTION: Direct ligand for the ERBB4 tyrosine kinase receptor. Binding results in ligand-stimulated tyrosine phosphorylation and activation of the receptor. Does not bind to the EGF receptor, ERBB2 or ERBB3 receptors. May be a survival factor for oligodendrocytes. {ECO:0000269|PubMed:16478787, ECO:0000269|PubMed:9275162}.

Molecular Weight:

77.9 kDa

UniProt:

[P56975](#)

Pathways:

[RTK Signaling](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months
