

# Product Information

## MemDX™ Membrane Protein Human NRG2 (Neuregulin 2) Full Length

Cat. No.: **MPC4068K**

This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human NRG2 membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

### Product Specifications

#### Host Species

Human

#### Target Protein

NRG2

#### Protein Length

Full length

#### Protein Class

Growth factor

#### TMD

1

#### Sequence

MRQVCCSALPPPPLEKGRCSSYSDDSSSSSSSERSSSSSSSSSESGSSSRSS  
SNNSSISRPAAPPEPRPQQPQPRSPAARRAAARSRAAAAGGMRRDPAPG  
FSMLLFVSLACYSPLKSVQDQAYKAPVVVEGKVQGLVPAGGSSSNSTR  
EPPASGRVALVKVLDKWPLRSGGLQREQVISVGSCVPLERNQRYIFFLEP  
TEQPLVFKTAFAPLDTNGKNLKKEVGKILCTDCATRPKLKMKMSQTGQVG  
EKQSLKCEAAAGNPQPSYRWFKDGKELNRSRDIRIKYGNRKN SRLQFNK  
VKVEDAGEYVCEAENILGKDTVGRGLYVNSVSTTLSSWSGHARKCNETAK  
SYCVNGGVCYYIEGINQLSCKCPNGFFGQRCLEKLPLRLYMPDPKQKAE  
LYQKRVLTITGICVALLVVGIVCVVAYCKTKKQRKQMHNLRLQNMCPAHQ  
NRSLANGPSHPRLDPEEIQMADYISKNPATDHVIRRETETTFSGSHSCS  
PSHHCSTATPTSSHRHESHTWSLSESLTSDSQSGIMLSSVGTSKCNPS  
ACVEARARRAAAYNLEERRRATAPPYHDSVDSL RDSPHSERYVSALTTPA  
RLSPVDFHYSLATQVPTFEITSPNSAHAVSLPPAAPISYRLAEQQPLL RH  
PAPPGP GPGPGPGPGADMQRSYDSYYP AAGPGPRRGTCALGGSLSL  
PASPFRIPEDEYETTQECAPPPPPRPRARGASRRTSAGPRRWRRSRLNG  
LAAQRARAARDSLSLSSGSGGGSASASDDDDADDADGALAAESTPFLGLRG  
AHDALRSDSPPLCPAADSRITYSLDSHSTRASSRHSRGPPPRAKQDSAPL

### Product Description

#### Expression Systems

HEK293

### Tag

Based on specific requirements

### Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

### Form

Liquid

### Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

## Target

### Target Protein

NRG2

### Full Name

Neuregulin 2

### Introduction

This gene encodes a novel member of the neuregulin family of growth and differentiation factors. Through interaction with the ERBB family of receptors, this protein induces the growth and differentiation of epithelial, neuronal, glial, and other types of cells. 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 distinct biological processes by acting at different sites in tissues and eliciting different biological responses in cells. This gene is located close to the region for demyelinating Charcot-Marie-Tooth disease locus, but is not responsible for this disease. Alternative transcript variants encoding distinct isoforms have been described.

### Alternative Names

NRG2; DON1; HRG2; NTAK; pro-neuregulin-2, membrane-bound isoform; divergent of neuregulin-1; neural- and thymus-derived activator for ErbB kinases; pro-NRG2; Neuregulin 2

### Gene ID

[9542](#)

### UniProt ID

[Q14511](#)