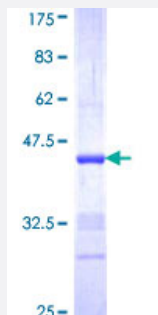


NRG2 (Human) Recombinant Protein (Q01)

Catalog # H00009542-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human NRG2 partial ORF (NP_004874, 116 a.a. - 215 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	SLKSVQDQAYKAPVVVEGKVQGLVPAGGSSSNSTREPPASGRVALVKVLDDKWPLRSGGLQRE QVISVGSCVPLERNQRYIFFLEPTEQPLVFKTAFAPLD
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Rat (90)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — NRG2

Entrez GeneID [9542](#)

GeneBank Accession# [NM_004883](#)

Protein Accession# [NP_004874](#)

Gene Name NRG2

Gene Alias Don-1, HRG2, NTAK

Gene Description neuregulin 2

Omim ID [603818](#)

Gene Ontology [Hyperlink](#)

Gene Summary Neuregulin 2 (NRG2) is a novel member of the neuregulin family of growth and differentiation factors. Through interaction with the ErbB family of receptors, NRG2 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 (NRG1), another member of the neuregulin family of ligands. NRG1 and NRG2 mediate distinct biological processes by acting at different sites in tissues and eliciting different biological responses in cells. The gene is located close to the region for demyelinating Charcot-Marie-Tooth disease locus, but is not responsible for this disease. Alternative transcripts encoding distinct isoforms have been described. [provided by RefSeq]

Other Designations OTTHUMP00000159546|divergent of neuregulin-1|neural- and thymus-derived activator for ErbB kinases

Pathway

- [ErbB signaling pathway](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Glaucoma](#)
- [Mental Disorders](#)
- [Schizophrenia](#)