

Recombinant Full Length Human NRG2 Protein

Cat. No. NRG2-7013HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NRG2, encoding Human NRG2 full-length ORF (AAI66615.1), was expressed in Wheat germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	850 amino acids
Description	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.
Form	Liquid
Molecular Mass	93.8 kDa
AA Sequence	MRQVCCSALPPPPLEKGRCSSYSDSSSSSSERSSSSSSSSSESGSSSRSSSNSSI

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SRPAAPPEPRPQQQPQPRSPAARRAAARSRAAAAGGMRRDPAPGFSMLLFGVSLA
 CYSPSLKSVQDQAYKAPVVVEGKVQGLVPAGGSSSNSTREPPASGRVALVKVLDK
 WPLRSGGLQREQVISVGSCVPLERNQRYIFFLEPTEQPLVFKTAFAPLDTNGKNLKK
 EVGKILCTDCATRPKLKKMKSQTGQVGEKQSLKCEAAAGNPQPSYRWFKDGKELN
 RSRDIRIKYGNRKNLSRLQFNKVKVEDAGEYVCEAENILGKDTVGRGLYVNSVSTTL
 SSWGSHARKCNETAKSYCVNGGVCYYIEGINQLSCKCPVGYTGDRCCQFAMVNF
 KHLGFELKEAEELYQKRVLTITGICVALLVVGIVCVVAYCKTKKQRKQMHNLHRQNM
 CPAHQNRSLANGPSHPRLDPEEIQMADYISKNPATDHVIRRETETTFSGSHSCSPS
 HHCSTATPTSSHRHESHTWSLSESLTSDSQSGIMLSSVGTSKCNTPACVEARAR
 RAAAYNLEER RRATAPPYHDSVDSLSDSPHSERYVSALTTPARLSPVDFHYSLATQ
 VPTFEITSPNSAHAVSLPPAAPISYRLAEQQPLLRRHPAPPGP GPGPGPGPGADM
 QRSYDSYYPAAAGPGRRTGTCALGSLGSLPASPFRIPEDEYETTQECAPPPPPR
 PRARGASRRTSAGPRRWRRSRLNGLAAQRARAARDLSLSGSGGGSASASDDD
 ADDADGALAAESTPFLGLRGAHDALRSDSPPLCPAADSRTYYSLDSHSTRASSRHS
 RGPPPRAKQDSAPL

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 25 mM Tris-HCl of pH8.0 containing 2% glycerol.

GENE INFORMATION

Gene Name [NRG2 neuregulin 2 \[Homo sapiens \]](#)

Official Symbol [NRG2](#)

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

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Gene ID	9542
mRNA Refseq	NM_001184935
Protein Refseq	NP_001171864
MIM	603818
UniProt ID	O14511

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