

Pro-neuregulin-2 Recombinant Protein | NRG2 recombinant protein

Recombinant Human Pro-neuregulin-2, membrane-bound isoform

CATALOG #
AAA115434

HOST
E Coli or Yeast or Baculovirus or Mammalian Cell

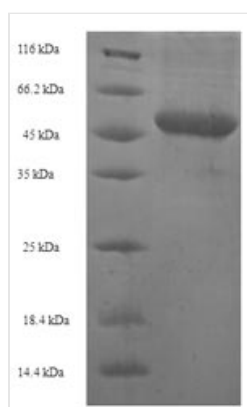
PRODUCT SYNONYMS

Pro-neuregulin-2; Recombinant Human Pro-neuregulin-2; membrane-bound isoform; Divergent of neuregulin-1; DON-1; Neural- and thymus-derived activator for ERBB kinases; NTAK; NRG2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	112-405. Partial, provide the Extracellular Domain
Sequence	CYSPSLKSVQ DQAYKAPVVV EGKVQGLVPA GGSSSNSTRE PPASGRVALV KVLDKWPLRS GGLQREQVIS VGSCVPLERN QRYIFFLEPT EQPLVFKTAF APLDTNGKNL KKEVGKILCT DCATRPKLKK MKSQTGQVGE KQSLKCEAAA GNPQPSYRWF KDGKELNRSR DIRIKYGNGR KNSRLQFNKV KVEDAGEYVC EAENILGKDT VRGRLYVNSV STTLSSWSGH ARKCNETAKS YCVNGGVCYY IEGINQLSCK CPNGFFGQRC LEKLPLRLYM PDPKQKAEEL YQKR
Sequence Length	405
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for NRG2 recombinant protein	Direct ligand for ERBB3 and ERBB4 tyrosine kinase receptors. Concomitantly recruits ERBB1 and ERBB2 coreceptors, resulting in ligand-stimulated tyrosine phosphorylation and activation of the ERBB receptors. May also promote the heterodimerization with the EGF receptor.
Product Categories/Family for NRG2 recombinant protein	Neuroscience

References	A novel brain-derived member of the epidermal growth factor family that interacts with ErbB3 and ErbB4.Higashiyama S., Horikawa M., Yamada K., Ichino N., Nakano N., Nakagawa T., Miyagawa J., Matsushita N., Nagatsu T., Taniguchi N., Ishiguro H.J. Biochem. 122:675-680(1997) Characterization of a neuregulin-related gene, Don-1, that is highly expressed in restricted regions of the cerebellum and hippocampus.Busfield S.J., Michnick D.A., Chickering T.W., Revett T.L., Ma J., Woolf E.A., Comrack C.A., Dussault B.J., Woolf J., Goodearl A.D.J., Gearing D.P.Mol. Cell. Biol. 17:4007-4014(1997) The human neuregulin 2 (NRG2) gene cloning, mapping and evaluation as a candidate for the autosomal recessive form of Charcot-Marie-Tooth disease linked to 5q.Ring H.Z., Chang H., Guilbot A., Brice A., LeGuern E., Francke U.Hum. Genet. 104:326-332(1999) Ligand discrimination in signaling through an ErbB4 receptor homodimer.Sweeney C., Lai C., Riese D.J. II, Diamonti A.J., Cantley L.C., Carraway K.L. IIIJ. Biol. Chem. 275:19803-19807(2000)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	296531452
NCBI GeneID	9542
NCBI Accession #	NP_001171864.1
NCBI GenBank Nucleotide #	NM_001184935.1
UniProt Accession #	O14511
Molecular Weight	34.8 kDa
NCBI Official Full Name	pro-neuregulin-2, membrane-bound isoform isoform 7
NCBI Official Synonym Full Names	neuregulin 2
NCBI Official Symbol	NRG2
NCBI Official Synonym Symbols	DON1; HRG2; NTAK
NCBI Protein Information	pro-neuregulin-2, membrane-bound isoform
UniProt Protein Name	Pro-neuregulin-2, membrane-bound isoform
UniProt Gene Name	NRG2
UniProt Synonym Gene Names	NTAK; Pro-NRG2; NRG-2; DON-1; NTAK
UniProt Entry Name	NRG2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.