

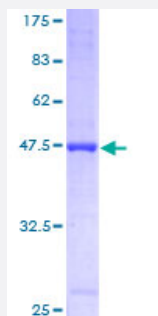
Full-Length

RTN4 (Human) Recombinant Protein (P01)

Catalog # H00057142-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human RTN4 full-length ORF (AAH01035, 1 a.a. - 199 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MDGQKKNWKDKVVDLLYWRDIKKTGVVFGASLFLLLSLTVFSIVSVTAYIALALLSVTISFRMYKGV QAIQKSDEGHPFRAYLESEVAISEELVQKYSNSALGHVNCTIKELRRLFLVDDLVDLKFVLMWV FTYVGALFNGLTLLILALISLFSVPVIYERHQAQIDHYLGLANKNVKDAMAKIQAKIPGLKRKAE
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	47.63
Interspecies Antigen Sequence	Mouse (75); Rat (75)
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 — RTN4

Entrez GeneID [57142](#)

GeneBank Accession# [BC001035](#)

Protein Accession# [AAH01035](#)

Gene Name RTN4

Gene Alias ASY, NI220/250, NOGO, NOGO-A, NOGOC, NSP, NSP-CL, Nbla00271, Nbla10545, Nogo-B, Nogo-C, RTN-X, RTN4-A, RTN4-B1, RTN4-B2, RTN4-C

Gene Description reticulon 4

Omim ID [604475](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene belongs to the family of reticulon encoding genes. Reticulons are associated with the endoplasmic reticulum, and are involved in neuroendocrine secretion or in membrane trafficking in neuroendocrine cells. The product of this gene is a potent neurite outgrowth inhibitor which may also help block the regeneration of the central nervous system in higher vertebrates. Alternatively spliced transcript variants derived both from differential splicing and differential promoter usage and encoding different isoforms have been identified. [provided by RefSeq]

Other Designations Human NogoA|My043 protein|foocen|neurite growth inhibitor 220|neurite outgrowth inhibitor|neuroendocrine-specific protein C homolog|reticulon 5

Disease

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- [Cardiomyopathy](#)
- [Chronic Disease](#)
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- [Schizophrenia](#)
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