

## Product datasheet for PH321080

### Nogo A (RTN4) (NM\_007008) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	RTN4 MS Standard C13 and N15-labeled recombinant protein (NP_008939)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC221080
Predicted MW:	22.2 kDa
Protein Sequence:	>RC221080 representing NM_007008 Red=Cloning site Green=Tags(s)  MDGQKKNWKDKVVDLLYWRDIKKTGVVFGASLFLLLSTVFSIVSVTAYIALALLSVTISFRIYKGVIIQA IQKSDEGHPFRAYLESEVAISEELVQKYSNSALGHVNCTIKELRRLFLVDDLVDLSLKFAVLMWVFTYVGA LFNGLTLLILALISLFSVPVIYERHQAQIDHYLGLANKNVKDAMAKIQAKIPGLKRKAE  TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_008939</a>
RefSeq Size:	1808
RefSeq ORF:	597
Synonyms:	ASY; Nbla00271; Nbla10545; NI220/250; NOGO; NSP; NSP-CL; RTN-X; RTN4-A; RTN4-B1; RTN4-B2; RTN4-C
Locus ID:	57142
UniProt ID:	<a href="#">Q9NQC3</a>



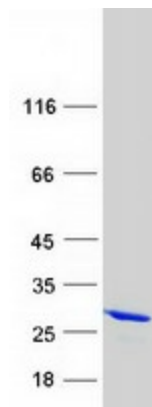
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Cytogenetics: 2p16.1

**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, Jul 2008]

**Protein Families:** Transmembrane

### Product images:



Coomassie blue staining of purified RTN4 protein (Cat# [TP321080]). The protein was produced from HEK293T cells transfected with RTN4 cDNA clone (Cat# [RC221080]) using MegaTran 2.0 (Cat# [TT210002]).