

## Product datasheet for PH315669

### Reticulon 1 (RTN1) (NM\_206852) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	RTN1 MS Standard C13 and N15-labeled recombinant protein (NP_996734)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC215669
Predicted MW:	23.4 kDa
Protein Sequence:	>RC215669 representing NM_206852 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MQATADSTKMDCVWSNWKSQAIDLLYWRDIKQTGIVFGSFLLLLFSLTQFSVSVVAYLALAALSATISF RIYKSVLQAVQKTDEGHPFKAYLELEITLSQEQIQKYTDCLQFYVNSTLKLRRFLVQDLVDSLKFAVL MWLLTYVGALFNGLTLLMAYVSMFTLPVVVYVKHQAQIDQYLGLVRTHINAVVAKIQAKIPGAKRHAE  <b>TR</b> TRPLEQ <b>KL</b> ISEEDLAANDILDYKDDDDKV
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_996734</a>
RefSeq Size:	1710
RefSeq ORF:	624
Synonyms:	NSP
Locus ID:	6252
UniProt ID:	<a href="#">Q16799</a> , <a href="#">A8K3B9</a>



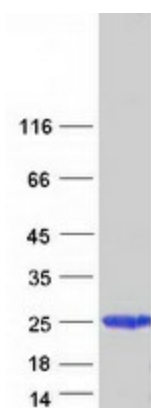
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Cytogenetics: 14q23.1

**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. This gene is considered to be a specific marker for neurological diseases and cancer, and is a potential molecular target for therapy. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2011]

Protein Families: Transmembrane

### Product images:



Coomassie blue staining of purified RTN1 protein (Cat# [TP315669]). The protein was produced from HEK293T cells transfected with RTN1 cDNA clone (Cat# [RC215669]) using MegaTran 2.0 (Cat# [TT210002]).