

## Product datasheet for PH302957

### RTN4IP1 (NM\_032730) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	RTN4IP1 MS Standard C13 and N15-labeled recombinant protein (NP_116119)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202957
Predicted MW:	43.6 kDa
Protein Sequence:	>RC202957 protein sequence Red=Cloning site Green=Tags(s)

MEFLKTCVLRNACTAVCFWRSKVVQKPSVRRISTTSPRSTVMPAWVIDKYGKNEVLRFTQNMMPIIHY  
PNEVIVKVHAASVNPIDVNMRSYGYGATALNMKRDPLHVKIKGEEFPLTLGRDVSQVMECGLDVKYFKPG  
DEVWAAVPPWKQGTLSFVVVSGNEVSHKPKSLTHTQAASLPYVALTAWSAINKVGLNDKNCTGKRVLI  
LGASGGVGTFAIQVMKAWDAHVTAVCSQDASELVRKLGADDVIDYKSGSVEEQLKSLKPFDFILDNVGGS  
TETWAPDFLKKWSGATYVTLVTPFLLNMDRLGIADGMLQTGVTVGSKALKHFWKGVHYRWAFFMASGPCL  
DDIAELVDAGKIRPVIEQTFPFKSKVPEAFLKVERGHARGKTVINVV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

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:	<u>NP_116119</u>
RefSeq Size:	2636
RefSeq ORF:	1188
Synonyms:	NIMP; OPA10
Locus ID:	84816



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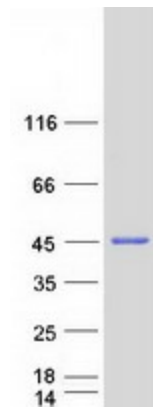
UniProt ID: [Q8WWV3](#)

Cytogenetics: 6q21

**Summary:** This gene encodes a mitochondrial protein that interacts with reticulon 4, which is a potent inhibitor of regeneration following spinal cord injury. This interaction may be important for reticulon-induced inhibition of neurite growth. Mutations in this gene can cause optic atrophy 10, with or without ataxia, cognitive disability, and seizures. There is a pseudogene for this gene on chromosome 12. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016]

**Protein Families:** Druggable Genome

### Product images:



Coomassie blue staining of purified RTN4IP1 protein (Cat# [TP302957]). The protein was produced from HEK293T cells transfected with RTN4IP1 cDNA clone (Cat# [RC202957]) using MegaTran 2.0 (Cat# [TT210002]).