

## Product datasheet for TP302957

### RTN4IP1 (NM\_032730) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human reticulon 4 interacting protein 1 (RTN4IP1), nuclear gene encoding mitochondrial protein, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC202957 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MEFLKTCVLRNACTAVCFWRSKVVQKPSVRRISTTSPRSTVMPAWVIDKYGKNEVLRFTQNMMMMPIIHY PNEVIVKVHAASVNPIDVNMRSYGATALNMKRDPLHVKIKGEEFPLTLGRDVSQVMECGLDVKYFKPG DEVWAAVPPWKQGTLSFVWVSGNEVSHKPKSLTHTQAASLPYVALTAWSAINKVGGGLNDKNCTGKRVLI LGASGGVGTFAIQVMKAWDAHVAVCSQDASELVRKLGADDVIDYKSGSVEEQLKSLKPFDFILDNVGGS TETWAPDFLKKWSGATYVTLVTPFLLNMDRLGIADGMLQGTGTVGSKALKHFWKGVHYRWAFFMASGPCL DDIAELVDAGKIRPVIEQTFPFSKVPEAFLKVERGHARGKTVINVV</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
Tag:	C-Myc/DDK
Predicted MW:	38.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u><a href="#">NP_116119</a></u>



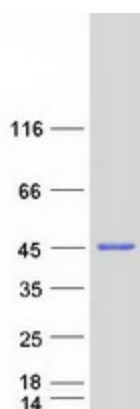
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Locus ID: 84816  
UniProt ID: [Q8WWW3](#)  
RefSeq Size: 2636  
Cytogenetics: 6q21  
RefSeq ORF: 1188  
Synonyms: NIMP; OPA10

**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]).