

## Product datasheet for **AR50185PU-N**

### RTN4IP1 (41-396, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	RTN4IP1 (41-396, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSTVMPAWV IDKYGKNEVL RFTQNMMMPI IHYPNEVIVK VHAASVNPID VNMRSYGAT ALNMKRDP LH VKIKGEEFPL TLGRDVS GVV MECGLDV KYF KPGDEVAAV PPWKQGT LSE FVVSGNEVS HKPKSLTHTQ AASLPYVALT AWSAINKVGG LNDKNCTGKR VLILGASGGV GTF AIQVMKA WDAHVTAVCS QDASELV RKL GADDVIDYKS GSVEEQLKSL KPFD FILDNV GGSTETWAPD FLKKWSGATY VTLVTPFLN MDRLGIADGM LQTGVTVGSK ALKHF WKGVH YRWAFFMASG PCLDDIAELV DAGKIRPVIE QTFPFSK VPE AFLKVERGHA RGKTVINVV
Tag:	His-tag
Predicted MW:	41.4 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human RTN4IP1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_001305675</a>
Locus ID:	84816
UniProt ID:	<a href="#">Q8WWV3</a>
Cytogenetics:	6q21



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**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:**

