

Product datasheet for **SC320174**

RTN4IP1 (NM_032730) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RTN4IP1 (NM_032730) Human Untagged Clone
Tag:	Tag Free
Symbol:	RTN4IP1
Synonyms:	NIMP; OPA10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_032730.4
AAGTGGAGGGGTGAAAAGTGAGGGAGGAGAATGGACAGAATACTGACTGGAACGTTAATT
CGAGCATTTTCATATGCGAAGAGCGGAATAACAGTTCGGTATTCTTTTCAGTTTCTCCA
TTAGATTAGCTTCATTTTCGAATGCTCCGTTTTGCATGCTTAATTTTGAACTAGCCCGT
GGTTTGGCAGAATTTGACTGAATTCAGGGGTGAGAGTTTGATCCAGTCCAAGTGTATTTG
AATTTGAGCACGCAGTTCAACAGTGTACAATGGAATTTCTGAAGACTTGTGACTTA
GAAGAAATGCATGCACTGCGGTTTGCTTCTGGAGAAGCAAAGTTGTCCAAAAGCCTTCAG
TTAGAAGGATTAGTACTACCTCTCCTAGGAGCACTGTCATGCCTGCTGGGTGATAGATA
AATATGGGAAGAATGAAGTGCTTCGATTCCTCAGAACATGATGATGCCTATCATACT
ATCCAAATGAAGTCATTGTCAAAGTTCACGCTGCCAGTGTAAATCCTATAGACGTTAATA
TGAGAAGTGGTTATGGAGCTACAGCTTTAAATATGAAGCGTGATCCTTTACACGTGAAAA
TCAAAGGAGAAGAATTTCTCTGACTCTGGGTCGGGATGTCTCTGGCGTGGTGATGGAAT
GTGGGCTTGATGTGAAATACTTCAAGCCTGGAGATGAGGTCTGGGCTGCAGTTCCTCCTT
GGAAACAAGGCACTCTTTCAGAGTTTGTGTAGTCAGTGGGAATGAGGTCTCTCACAAC
CCAAATCACTCACTCATACTCAAGCTGCCTCTTGGCCATATGTGGCTCTCACAGCCTGGT
CTGCTATAAAACAAGTTGGTGGCCTGAATGACAAGAATGCACAGGAAAACGTGTTCTAA
TCTTAGGCGCTTCAGGCGGAGTTGGTACTTTTGTATACAGGTAATGAAAGCATGGGATG
CTCATGTGACAGCAGTTTGTCCCAAGATGCCAGTGAACCTGTAAGGAAGCTTGGTGAC
ACGATGTAATTTGATTACAATCTGGAAGTGTGGAAGAGCAGTTGAAATCCTTAAACCAT
TTGATTTTATCCTTGATAATGTTGGCGGATCCACTGAAACATGGGCTCCAGATTTTCTCA
AGAAATGGTCAGGAGCCACCTATGTGACTTTGGTACTCCTTCTCCTGAACATGGACC
GATTGGGCATAGCAGATGGCATGTTGCAGACAGGAGTCACTGTAGGTTCAAAGGCATTA
AGCATTCTGGAAAGGAGTCCATTATCGCTGGGCATTTTTCATGGCCAGTGGCCATGTT
TAGATGACATTGCAGAACTGGTGGATGCGGAAAGATCCGGCCAGTTATTGAACAAACCT
TTCCTTTTCTAAAGTTCAGAACCTTCTGAAGGTGGAAGAGGACACGCACGAGGAA
AGACTGTAATTAATGTTGTTAAATAAAAAATGCAGTTTAGTGAACAAAAAAAAAAAAAAAA
AAAAAAAAAA



[View online »](#)

Restriction Sites:	Please inquire
ACCN:	NM_032730
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_032730.4</u> , <u>NP_116119.2</u>
RefSeq Size:	2636 bp
RefSeq ORF:	1191 bp
Locus ID:	84816
UniProt ID:	<u>Q8WWV3</u>
Cytogenetics:	6q21
Domains:	ADH_zinc_N
Protein Families:	Druggable Genome
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>