

Recombinant Human Reticulon 4 Interacting Protein 1, His-tagged

Cat. No. RTN4IP1-4829H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human RTN4IP1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Species	Human
Source	E.coli
Description	RTN4IP1 is a novel mitochondrial protein that interacts with reticulon 4, which is a potent inhibitor of regeneration following spinal cord injury. The interaction of reticulon 4 with mitochondrial proteins may provide insight into the mechanisms for reticulon-induced inhibition of neurite growth.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 1mM DTT.
Molecular Weight	41.4 kDa (379aa), confirmed by MALDI-TOF.
Purity	>95% by SDS-PAGE
Concentration	1 mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MGSTVMPAWV IDKYGKNEVL RFTQNMMMPI IHYPNEVIVK VHAASVNPID VNMRSGYGAT ALNMKRDPLHVKIKGEEFPL TLGRDVSQGV MECGLDVKYF KPGDEVWAAV PPWKQGTLSF FVVVSGNEVS HKPKSLTHTQ AASLPYVALT AWSAINKVGGLNDKNCTGKR VLILGASGGV

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GTFAIQVMKA WDAHVTAVCS QDASELVRKL GADDVIDYKS GSVEEQLKSL
 KPFD FILDNV GGSTETWAPDFLKKWSGATY VTLVTPFLN MDRLGIADGM
 LQTGVTVGSK ALKHFVKGVH YRWAFFMASG PCLDDIAELV DAGKIRPVIE
 QTFPFKVPPEAFLKVERGHA RGKTVINVV

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

RTN4IP1 reticulon 4 interacting protein 1 [Homo sapiens]

Official Symbol

RTN4IP1

Synonyms

RTN4IP1; reticulon 4 interacting protein; NIMP; MGC12934; reticulon-4-interacting protein 1, mitochondrial; OTTHUMP00000016926; NOGO-interacting mitochondrial protein; reticulon 4 interacting protein 1; NOGO-interacting mitochondrial protein

Gene ID

84816

mRNA Refseq

NM_032730

Protein Refseq

NP_116119

MIM

610502

UniProt ID

Q8WWV3

**Chromosome
Location**

6q21

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Function

binding; oxidoreductase activity; zinc ion binding

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