

**RTN4IP1, 41-396aa, Human, His tag E.coli**

**Cat.NO.: TP03809**

3th Edition

**Synonyms:**Reticulon-4-interacting protein 1, MGC12934, NIMP.

**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. Recombinant human RTN4IP1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

**Form:**Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol 1mM DTT

**Molecular Weight:**41.4 kDa(379aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSTVMPAWVIDKYGKNEVLRFTQNMMMPPIIHYPNEVIVKVHAASVNPIDVNMRS  
GYGATALNMKRDPLHVKIKGEEFPLTLGRDVSGVVMCEGLDVKYFKPGDEVWAAVPPWKQGTLEFVVVSGNEV  
SHKPKSLTHTQAASLPYVALTAWSAINKVGGNDKNCTGKRVLILGASGGVGTFAIQVMKAWDHVTAVCSQDASE  
LVRKLGADDVIDYKSGSVEEQLKSLKPFDFILDNVGGSTETWAPDFLKKWSGATYVTLVTPFLLNMDRLGIADGMLQ  
TGVTVGSKALKHFWKGVHYRWAFFMASGPCLDDIAELVDAGKIRPVIEQTFPFKVPFAFLKVERGHARGKTVINV  
V

**Purity:**> 95% by HPLC

**Concentration:**1.0 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**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.