

RTN4IP1 Human

Description:RTN4IP1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 379 amino acids (41-396 a.a.) and having a molecular mass of 41.4kDa. RTN4IP1 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #:PRPS-1021

For research use only.

Synonyms:Reticulon-4-interacting protein 1 mitochondrial, NOGO-interacting mitochondrial protein, RTN4IP1, NIMP.

Source:E.coli.

Physical Appearance:Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MGSTVMPAWV IDKYGKNEVL
RFTQNMMPPI IHYPNEVIVK VHAASVNPID VNMRSYGAT ALNMKRDPLH VKIKGEEFPL
TLGRDVSQVW MECGLDVKYF KPGDEVWAAV PPWKQGLTSE FVVVSGNEVS HKPKSLTHTQ
AASLPYVALT AWSAINKVGK LNDKNCTGKR VLILGASGGV GTFAIQVMKA WDAHVTAVCS
QDASELVRKL GA

Purity:Greater than 95% as determined by SDS-PAGE.

Formulation:

RTN4IP1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol and 1mM DTT.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

RTN4IP1 is a unique mitochondrial protein that interacts with reticulon 4, which is an effective inhibitor of regeneration ensuing spinal cord injury. The reticulon 4 interaction with mitochondrial proteins may offer insight into the mechanisms for reticulon-induced inhibition of neurite growth.

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