
Product Data Sheet

Product Name: RTN4IP1 Human
 Cat. No.: GP24454
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Reticulon-4-interacting protein 1 mitochondrial; NOGO-interacting mitochondrial protein; RTN4IP1; NIMP.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSTVMPAWV IDKYGKNEVL RFTQNMMMPI IHYPNEVIVK VHAASVNPID VNMRSYGAT ALNMKRDPLH VKIKGEEFPL TLGRDVSGVV MECGLDVKYF KPGDEVWAAV PPWKQGTLS E FVVVSGNEVS HKPKSLTHTQ AASLPYVALT AWSAINKVGG LNDKNCTGKR VLILGASGGV GTFAIQVMKA WDAHVTAVCS QDASELVRKL GADDVIDYKS GSVEEQLKSL KPFD FILDNV GGSTETWAPD FLKKWSGATY VTLVTPFLN MDRLGIADGM LQTGVTVGSK ALKHFVKGVH YRWAFFMASG PCLDDIAELV DAGKIRPVIE QTFPFSKVPE AFLKVERGHA RGKTVINVV.		
Formulation	RTN4IP1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol and 1mM DTT.		

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.

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.

Background

RTN4IP1 Human Recombinant produced in E.Coli is a single, non-glycosylated

Caution: Product has not been fully validated for medical applications. For research use only.

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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.

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