

Recombinant Human RTN4IP1, His-tagged

Cat. No. RTN4IP1-27496TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human RTN4IP1 (amino acids 41-396) with N terminal His tag; 379 amino acids with tag, Predicted MWt 41.4 kDa.
Species	Human
Source	E.coli
ProteinLength	356 amino acids
Description	This gene encodes 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.
Conjugation	HIS
Molecular Weight	41.400kDa inclusive of tags
Tissue specificity	Widely expressed in mitochondria-enriched tissues. Found in heart, muscle, kidney, liver, brain and placenta.
Form	Liquid
Purity	>95% by SDS-PAGE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage buffer	pH: 8.00 Constituents: 0.32% Tris HCl, 20% Glycerol, 0.02% DTT
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequence Similarities	Belongs to the zinc-containing alcohol dehydrogenase family. Quinone oxidoreductase subfamily.
GENE INFORMATION	
Gene Name	RTN4IP1 reticulon 4 interacting protein 1 [Homo sapiens]
Official Symbol	RTN4IP1
Synonyms	RTN4IP1; reticulon 4 interacting protein 1; reticulon-4-interacting protein 1, mitochondrial; NIMP;
Gene ID	84816
mRNA Refseq	NM_032730
Protein Refseq	NP_116119
MIM	610502
Uniprot ID	Q8WWV3
Chromosome Location	6q21
Function	nucleotide binding; oxidoreductase activity; zinc ion binding;

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