

# **Product datasheet for TP320981M**

#### OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

## Nogo A (RTN4) (NM\_207520) Human Recombinant Protein

**Product data:** 

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human reticulon 4 (RTN4), transcript variant 4, 100 μg

Species: Human
Expression Host: HEK293T

**Expression cDNA Clone** >RC220981 representing NM\_207520 or AA Sequence: Red=Cloning site Green=Tags(s)

MEDLDQSPLVSSSDSPPRPQPAFKYQFVREPEDEEEEEEEEEEDEDDLEELEVLERKPAAGLSAAPVPT APAAGAPLMDFGNDFVPPAPRGPLPAAPPVAPERQPSWDPSPVSSTVPAPSPLSAAAVSPSKLPEDDEPP ARPPPPPPASVSPQAEPVWTPPAPAPAAPPSTPAAPKRRGSSGSVDETLFALPAASEPVIRSSAVVDLLY WRDIKKTGVVFGASLFLLLSLTVFSIVSVTAYIALALLSVTISFRIYKGVIQAIQKSDEGHPFRAYLESE VAISEELVQKYSNSALGHVNCTIKELRRLFLVDDLVDSLKFAVLMWVFTYVGALFNGLTLLILALISLFS

VPVIYERHQAQIDHYLGLANKNVKDAMAKIQAKIPGLKRKAE

**TRTRPL**EQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 42.1 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by

conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience

some loss of protein during the filtration process.

**Storage:** Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and

handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: NP 997403

**Locus ID:** 57142



#### Nogo A (RTN4) (NM\_207520) Human Recombinant Protein - TP320981M

UniProt ID: Q9NQC3

RefSeq Size: 2471 Cytogenetics: 2p16.1 RefSeq ORF: 1176

Synonyms: ASY; Nbla00271; Nbla10545; NI220/250; NOGO; NSP; NSP-CL; RTN-X; RTN4-A; RTN4-B1; RTN4-

B2; RTN4-C

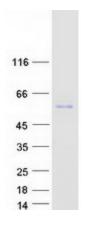
**Summary:** This gene belongs to the family of reticulon encoding genes. Reticulons are associated with

the endoplasmic reticulum, and are involved in neuroendocrine secretion or in membrane trafficking in neuroendocrine cells. The product of this gene is a potent neurite outgrowth inhibitor which may also help block the regeneration of the central nervous system in higher vertebrates. Alternatively spliced transcript variants derived both from differential splicing and differential promoter usage and encoding different isoforms have been identified.

[provided by RefSeq, Jul 2008]

**Protein Families:** Transmembrane

## **Product images:**



Coomassie blue staining of purified RTN4 protein (Cat# [TP320981]). The protein was produced from HEK293T cells transfected with RTN4 cDNA clone (Cat# [RC220981]) using MegaTran 2.0 (Cat# [TT210002]).