

Recombinant Human RTN4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. RTN4-756H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RTN4 MS Standard C13 and N15-labeled recombinant protein (NP_997403) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	42.1 kDa
AA Sequence	MEDLDQSPLVSSSDSPPRPQPAFKYQFVREPEDEEEEEEEEEDEDEDLEELEVL RKPAAGLSAAPVPTAPAAGAPLMDFGNDFVPPAPRGPLPAAPPVAPERQPSWDPS PVSSTVPAPSPLSAAAVSPSKLPEDDEPPARPPPPPPASVSPQAEPVWTPPAPAPA APPSTPAAPKRRGSSGSVDETLFALPAASEPVIRSSAVVDLLYWRDIKKTGVVFGAS LFLLLSLTVFSIVSVTAYIALALLSVTISFRIYKGVIAIQKSDEGHPPFRAYLESEVAISEE LVQKYSNSALGHVNCTIKELRRLFLVDDLVDLSLKFAVLMWVFTYVGALFNGLTLLILA

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	LISLFSVPVIYERHQAQIDHYLGLANKNVKDAMAKIQAKIPGLKRKAETRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	RTN4 reticulon 4 [Homo sapiens (human)]
Official Symbol	RTN4
Synonyms	RTN4; reticulon 4; reticulon-4; ASY; KIAA0886; NOGO; NSP CL; foocen; Human NogoA; reticulon 5; My043 protein; neurite outgrowth inhibitor; neurite growth inhibitor 220; neuroendocrine-specific protein C homolog; NSP; NOGOC; RTN-X; NOGO-A; NSP-CL; Nogo-B; Nogo-C; RTN4-A; RTN4-C; RTN4-B1; RTN4-B2; NI220/250; Nbla00271; Nbla10545;
Gene ID	57142
mRNA Refseq	NM_207520
Protein Refseq	NP_997403

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MIM 604475

UniProt ID Q9NQC3

SDS-PAGE



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