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Datasheet for ABIN5854705
RTN4R Protein (AA 27-447) (His tag)

Overview

Quantity:	50 µg
Target:	RTN4R
Protein Characteristics:	AA 27-447
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RTN4R protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	CPGACVCYNE PKVTTSCPQQ GLQAVPVGIP AASQRIFLHG NRISHVPAAS FRACRNLTIL WLHSNVLARI DAAAFTGLAL LEQLDLSDNA QLRSDPATF HGLGRLHTLH LDRCGLQELG PGLFRGLAAL QYLYLQDNAL QALPDDTFRD LGNLTHLFLH GNRISVPER AFRGLHSLDR LLLHQNRVAH VHPHAFRDLG RLMTLYLFAN NLSALPTEAL APLRALQYLR LNDNPWVWDCD RARPLWAWLQ KFRGSSSEVP CSLPQRLAGR DLKRLAANDL QGCAVATGPY HPIWTGRATD EEPLGLPKCC QPDAADKASV LEPGRPASAG NALKGRVPPG DSPPGNGSGP RHINDSPFGT LPGSAEPPLT AVRPEGSEPP GFPTSGPRRR PGCSRKNRTR SHCRLGQAGS GGGGTGDSEG SLEHHHHHH
Purity:	> 90 % by SDS - PAGE
Endotoxin Level:	< 1.0 EU per 1 microgram of protein (determined by LAL method)

Target Details

Target:	RTN4R
Alternative Name:	RTN4R (RTN4R Products)
Background:	RTN4R, also known as reticulon-4 receptor, is a glycosylphosphoinositol (GPI)-anchored protein that belongs to the Nogo receptor family including three members. It is expressed predominantly in neurons and their axons in the central nervous systems (CNS). It may be proposed as a potential drug target for treatment of various neurological conditions such as spinal cord injury, CNS lesions, peripheral nerve injury, stroke and Alzheimer's disease (AD). It may play a role in regulating the function of the gap junctions. Recombinant human RTN4R, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Molecular Weight:	46.3kDa (429aa) 40-57kDa (SDS-PAGE under reducing conditions)
NCBI Accession:	NP_075380
UniProt:	Q9BZR6
Pathways:	Neurotrophin Signaling Pathway

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10 % glycerol.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.