
Product Data Sheet

Product Name: RTN4R Human

Cat. No.: GP24453

Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Reticulon 4 Receptor; Nogo-66 Receptor; Nogo Receptor; NOGOR; NGR ; Reticulon-4 Receptor; UNQ330/PRO526.		
Amino Acid Sequence	CPGACVCYNE PKVTTSCPQQ GLQAVPVGIP AASQRIFLHG NRISHVPAASFRACRNLTL WLHSNVLARI DAAFTGLAL LEQLDLSDNA QLRSDPATF HGLGRLHTLH LDRCLQELGPGFLFRGLAAL QYLYLQDNAL QALPDDTFRD LGNLTHLFLH GNRISVPER AFRGLHSLDR LLLHQNRVAH VHPHAFRDLG RLMTLYLFAN NLSALPTEAL APLRALQYLRNDNPWVCDC RARPLWAWLQ KFRGSSSEVP CSLPQRLAGR DLKRLAANDL QGCAVATGPY HPIWTGRATDEEPLGLPKCC QPDAADKASV LEPGRPASAG NALKGRVPPG DSPPGNGSGP RHINDSPFGT LPGSAEPPLT AVRPEGSEPP GFPTSGPRRR PGCSRKNRTR SHCRLGQAGSGGGGTGDSEG SLEHHHHHHH.		
Formulation	RTN4R protein solution (0.5mg/ml) contains PhosphateBuffered Saline (pH 7.4) and 10% glycerol.		

Introduction

Reticulon4 Receptor, also known as RTN4R, plays a role as a receptor for RTN4, OMG andMAG. RTN4R is a glycosylphosphoinositol (GPI)-anchored protein which is a partfrom the Nogo recptor family. RTN4R is expressed mainly in neurons and theiraxons and is regulates axonal regeneration and plasticity in the adult centralnervous system. RTN4R is a potential drug target for treating variousneurological cases such as spinal cord injury, CNS lesions, stroke andAlzheimer's disease.

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%

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

RTN4R produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 429 amino acids (27-447 a.a.) and having a molecular mass of 46.3 kDa (Molecular size on SDS-PAGE will appear at approximately 40-57 kDa). RTN4R is expressed with a 8 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA