9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

# 32-13392: RTN4R Human

**Alternative Name :** Reticulon 4 Receptor, Nogo-66 Receptor, Nogo Receptor, NOGOR, NGR , Reticulon-4 Receptor, UNQ330/PRO526.

## Description

Source: Sf9, Baculovirus cells.
Sterile Filtered colorless solution.
Reticulon 4 Receptor, also known as RTN4R, plays a role as a receptor for RTN4, OMG and MAG. RTN4R is a glycosylphosphoinositol (GPI)-anchored protein which is a part from the Nogo recptor family. RTN4R is expressed mainly in neurons and their axons and is regulates axonal regeneration and plasticity in the adult central nervous system. RTN4R is a potential drug target for treating various neurological cases such as spinal cord injury, CNS lesions, stroke and Alzheimer's disease.
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 46.3kDa (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.

## Product Info

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| **Amount :** | 2 µg / 10 µg |
| **Purification :** | Greater than 90.0% as determined by SDS-PAGE. |
| **Content :** | RTN4R protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol. |
| **Storage condition :** | 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% HSA or BSA). Avoid multiple freeze-thaw cycles. |
| **Amino Acid :** | CPGACVCYNE PKVTTSCPQQ GLQAVPVGIP AASQRIFLHG NRISHVPAAS FRACRNLTIL WLHSNVLARI DAAAFTGLAL LEQLDLSDNA QLRSVDPATF HGLGRLHTLH LDRCGLQELG PGLFRGLAAL QYLYLQDNAL QALPDDTFRD LGNLTHLFLH GNRISSVPER AFRGLHSLDR LLLHQNRVAH VHPHAFRDLG RLMTLYLFAN NLSALPTEAL APLRALQYLR LNDNPWVCDC RARPLWAWLQ KFRGSSSEVP CSLPQRLAGR DLKRLAANDL QGCAVATGPY HPIWTGRATD EEPLGLPKCC QPDAADKASV LEPGRPASAG NALKGRVPPG DSPPGNGSGP RHINDSPFGT LPGSAEPPLT AVRPEGSEPP GFPTSGPRRR PGCSRKNRTR SHCRLGQAGS GGGGTGDSEG SLEHHHHHH. |

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