Recombinant human NOGO Receptor/RTN4R protein

Catalog Number: ATGP3443

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
27-447aa

UniProt No.
Q9BZR6

NCBI Accession No.
NP_075380.1

Alternative Names
Reticulon-4 receptor, RTN4R, NGR, NOGOR, Nogo-66 receptor

PRODUCT SPECIFICATION

Molecular Weight
46.3 kDa (429aa)

Concentration
0.5mg/ml (determined by absorbance at 280nm)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity
> 90% by SDS-PAGE

Endotoxin level
< 1 EU per 1ug of protein (determined by LAL method)

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
RTN4R, also known as reticulon-4 receptor, is a glycosylphosphoinositol (GPI) -anchored protein that belongs to the Nogo recptor 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

Recombinant human NOGO Receptor/RTN4R protein

Catalog Number: ATGP3443

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.

Amino acid Sequence

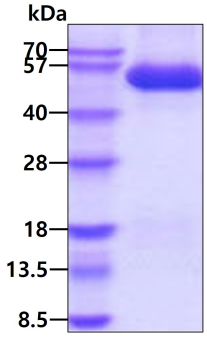
CPGACVCYNE PKVTTSCPQQ GLQAVPVGIP AASQRIFLHG NRISHVPAAS FRACRNLTIL WLHSNVLARI DAAAFTGLAL LEQLDLSDNA QLRSVDPATF HGLGRLHTLH LDRCGLQELG PGLFRGLAAL QYLYLQDNAL QALPDDTFRD LGNLTHLFLH GNRISSVPER AFRGLHSLDR LLLHQNRVAH VHPHAFRDLG RLMTLYLFAN NLSALPTEAL APLRALQYLR LNDNPWVCDC RARPLWAWLQ KFRGSSSEVP CSLPQRLAGR DLKRLAANDL QGCAVATGPY HPIWTGRATD EEPLGLPKCC QPDAADKASV LEPGRPASAG NALKGRVPPG DSPPGNGSGP RHINDSPFGT LPGSAEPPLT AVRPEGSEPP GFPTSGPRRR PGCSRKNRTR SHCRLGQAGS GGGGTGDSEG S<LEHHHHHH>

General References

Tong S., et al. (2013) Oncol Rep. 30:2171-2178.
Wang X., et al. (2012) Exp Neurol. 237:55-69.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.