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32-7552: Recombinant Human Nogo-66 Receptor/Reticulon 4 Receptor/NgR/RTN4R (C-6His)

Gene : RTN4R
Gene ID : 65078
Uniprot ID : Q9BZR6

Description

Source: Human Cells.
MW :46.32kD.
Recombinant Human NgR is produced by our Mammalian expression system and the target gene encoding Cys27-Ser447 is expressed with a 6His tag at the C-terminus. Nogo Receptor (NgR) is a glycosylphosphoinositol (GPI)-anchored protein that belongs to the Nogo recptor family. Human NgR is predominantly expressed in neurons and their axons in the central nervous systems. As a receptor for myelin-derived proteins Nogo, myelin-associated glycoprotein (MAG) and myelin oligodendrocyte glycoprotein (OMG), NgR mediates axonal growth inhibition and may play a role in regulating axonal regeneration and plasticity in the adult central nervous system. NgR may be proposed as a potential drug target for treatment of various neurological conditions. Additionally, NgR may play a role in regulating the function of gap junctions.

Product Info

Amount :	10 µg / 50 µg
Content :	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
Storage condition :	Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
Amino Acid :	CPGACVCYNEPKVTTSCPQQGLQAVPVGIPAASQRIFLHGNRISHVPAASFRACRNLTILWLHSNVLARIDAAAF TGLALLEQLDLSDNAQLRSVDPATFHGLGRLHTLHLDRCGLQELGPGLFRGLAALQYLYLQDNALQALPDDTF RDLGNLTHLFLHGNRISSVPERAFRGLHSLDRLLLHQNRVAHVHPHAFRDLGRLMTLYLFANNLSALPTEALAP LRALQYLRLNDNPWVCDCRARPLWAWLQKFRGSSSEVPCSLPQRLAGRDLKRLAANDLQGCAVATGPYHPIW TGRATDEEPLGLPKCCQPDAADKASVLEPGRPASAGNALKGRVPPGDSPPGNGSGPRHINDSPFGTLPGSAEP PLTAVRPEGSEPPGFPTSGPRRRPGCSRKNRTRSHCRLGQAGSGGGGTGDSEGSVDHHHHHH

Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 ÃÂµg/ml. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Endotoxin : Less than 0.1 ng/ÃÂµg (1 IEU/ÃÂµg) as determined by LAL test.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.