

## 32-8683: Recombinant Mouse Nogo-66 Receptor/Reticulon 4 Receptor/NgR/RTN4R (C-Fc)

**Gene :** Rtn4r  
**Gene ID :** 65079  
**Uniprot ID :** Q99PI8

### Description

Source: Human Cells.  
MW :72.7kD.

Recombinant Mouse NgR is produced by our Mammalian expression system and the target gene encoding Cys27-Ser447 is expressed with a Fc tag at the C-terminus. Nogo Receptor (NgR) is a glycosylphosphoinositol (GPI)-anchored protein that belongs to the Nogo receptor 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 PBS,pH7.4.  
**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 :** CPGACVCYNEPKVTTSCPQQGLQAVPTGIPASSQRIFLHG NRISHVPAASFQSCRNLTLWLHSNALARIDAAAF  
TGLTLLLEQLDLSDNAQLHVVDPTTFHGLGHLHTLHLDRCGLRELGPGLFRGLAALQYLYLQDNNLQALPDNTF  
RDLGNLTHLFLHGNRIPSVPEHAFRGLHSLDRLLLHQNHVAVHPHAFRDLGRLMTLYLFANNLSMLPAEVLMP  
LRSLQYLRRLNDNPWVCDRCRARPLWAWLQKFRGSSSEVPCNLPQRLADRDLKRLAASDLEGCAVASGPFRIQ  
TSQLTDEELSLPKCCQPDAADKASVLEPGRPASAGNALKGRVPPGDTPPGNGSGPRHINDSPFGTLPSSAEP  
LTALRPGGSEPPGLPTTGPRRRPGCSRKNRTRSHCRLGQAGSGASGTGDAEGSVDDIEGRMDEPKSCDKTHT  
CPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNST  
YRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYP  
SDIAVEWESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGNVFCFSVMHEALHNHYTQKSLSLSPG  
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### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.