

Summary

Name	Nogo Receptor/NgR
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/µg as determined by LAL test.
Construction	Recombinant Human Nogo-66 Receptor/Reticulon 4 Receptor is produced by our Mammalian expression system and the target gene encoding Cys27- Ser447 is expressed with a 6His tag at the C-terminus.
Accession #	Q9BZR6
Host	Human Cells
Species	Human
Predicted Molecular Mass	46.32 KDa
Formulation	Lyophilized from a 0.2 μ m filtered solution of PBS, pH 7.4.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at \leq -70°C, stable for 6 months after receipt. Store at \leq -70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image



Background



Alternative NamesReticulon-4 Receptor; Nogo Receptor; NgR; Nogo-66 Receptor; RTN4R; NOGORBackgroundNogo 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.

Note

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