

Recombinant Human NgR (C-6His)

Catalog #	EPT027
Expression Host	Human Cells
DESCRIPTION	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
Synonyms	Reticulon-4 Receptor; Nogo Receptor; NgR; Nogo-66
	Receptor; RTN4R; NOGOR
Mol Mass	46.32 KDa
AP Mol Mass	60-90 KDa, reducing conditions
Purity	Greater than 95% as determined by reducing
	SDS-PAGE.
Endotoxin	Less than 0.1 ng/ μ g (1 EU/ μ g) as determined by LAL
	test.
FORMULATION	Lyophilized from a 0.2 μm filtered solution of PBS, pH
	7.4.
RECONSTITUTION	Always centrifuge tubes before opening.Do not mix by



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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.

SHIPPING The product is shipped at ambient temperature.Upon receipt, store it immediately at the temperature listed below.

STORAGELyophilized 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.

BACKGROUND 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



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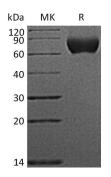
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mediates axonal growth inhibition and may play a role in regulating axonal regeneration and plasticity in the adult central nervous system. NgR may be proposed as a potential drug target for treatment of various neurological conditions. Additionally, NgR may play a role in regulating the function of gap junctions.



SDS-PAGE



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