Recombinant Human Nogo Receptor/NgR Protein (His Tag)

Catalog No. PKSH033418

Note: Centrifuge before opening to ensure complete recovery of vial contents.

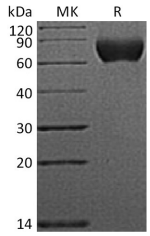
Description

Synonyms	Reticulon-4 Receptor;Nogo Receptor;NgR;Nogo-66 Receptor;RTN4R;NOGOR
Species	Human
Expression Host	HEK293 Cells
Sequence	Cys27-Ser447
Accession	Q9BZR6
Calculated Molecular Weight	46.3 kDa
Observed molecular weight	60-90 kDa
Tag	C-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

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

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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.

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