Recombinant Mouse NgR/RTN4R Protein (His Tag)

Catalog Number: PKSM041117

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

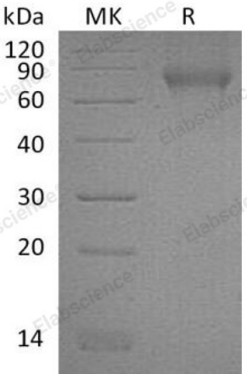
Description

Species	Mouse
Source	HEK293 Cells-derived Mouse NgR/RTN4R protein Cys27-Ser447, with an C-terminal His
Calculated MW	46.6 kDa
Observed MW	75-85 kDa
Accession	Q99PI8
Bio-activity	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% Tween 80 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 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 condition s. Additionally, NgR may play a role in regulating the function of gap junctions.