

Datasheet for ABIN7319368 **RTN4R Protein (His tag)**



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Overview

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|-------------------------------|--|
| Quantity: | 50 µg |
| Target: | RTN4R |
| Origin: | Human |
| Source: | Human Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This RTN4R protein is labelled with His tag. |

Product Details

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|------------------|--|
| Purpose: | Recombinant Human Nogo Receptor/NgR Protein (His Tag) |
| Sequence: | Cys27-Ser447 |
| Characteristics: | 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. |
| Purity: | > 95 % as determined by reducing SDS-PAGE. |
| Endotoxin Level: | < 1.0 EU per µg as determined by the LAL method. |

Target Details

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| Target: | RTN4R |
| Alternative Name: | Nogo Receptor/NgR (RTN4R Products) |
| Background: | 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 |

Target Details

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.

Synonym: Reticulon-4 Receptor, Nogo Receptor, NgR, Nogo-66 Receptor, RTN4R, NOGOR

Molecular Weight: 46.3 kDa

UniProt: [Q9BZR6](#)

Pathways: [Neurotrophin Signaling Pathway](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.