

## Recombinant Mouse Rtn4r Protein (Cys27-Ser447), C-His tagged

**Cat. No.** Rtn4r-6756M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant mouse Rtn4r (Cys27-Ser447) fused with the C-terminal His tag was expressed in mammalian cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | Mammalian Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | Cys27-Ser447                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Description</b>      | Enables chondroitin sulfate binding activity; heparin binding activity; and neuregulin receptor activity. Involved in several processes, including corpus callosum development; negative regulation of neuron projection development; and neuronal signal transduction. Acts upstream of or within axonogenesis. Located in several cellular components, including axonal growth cone; dendritic shaft; and neuronal cell body. Is integral component of plasma membrane. Is expressed in several structures, including cardiovascular system; forelimb bud; intestine; male reproductive gland or organ; and nervous system. Human ortholog (s) of this gene implicated in schizophrenia. Orthologous to human RTN4R (reticulon 4 receptor). |
| <b>Form</b>             | Lyophilized powder/frozen liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Molecular Mass</b>   | 46.31 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Purity</b>           | > 90 % as determined by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

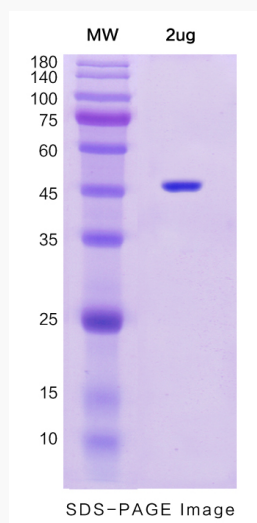
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|                         |                                                                                                                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Notes</b>            | For research use only.                                                                                                                                                                  |
| <b>Storage</b>          | Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt. |
| <b>Storage Buffer</b>   | Supplied as solution form in PBS or lyophilized from PBS.                                                                                                                               |
| <b>Reconstitution</b>   | Reconstitute in sterile water for a stock solution.                                                                                                                                     |
| <b>Shipping</b>         | They are shipped out with dry ice/blue ice unless customers require otherwise.                                                                                                          |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                         |
| <b>Gene Name</b>        | Rtn4r reticulon 4 receptor [ Mus musculus (house mouse) ]                                                                                                                               |
| <b>Official Symbol</b>  | Rtn4r                                                                                                                                                                                   |
| <b>Synonyms</b>         | RTN4R; reticulon 4 receptor; reticulon-4 receptor; nogo receptor; Nogo-66 receptor; NgR; NgR1; NOGOR;                                                                                   |
| <b>Gene ID</b>          | 65079                                                                                                                                                                                   |
| <b>mRNA Refseq</b>      | NM_022982                                                                                                                                                                               |
| <b>Protein Refseq</b>   | NP_075358                                                                                                                                                                               |
| <b>UniProt ID</b>       | Q99PI8                                                                                                                                                                                  |

## SDS-PAGE



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