

Recombinant Human RTN4 Protein

| Catalog # | Source | Reactivity | Applications |
|---------------------------|--|------------|---------------------|
| CRP2225 | E. coli | Human | E, WB, SDS-PAGE, MS |
| Description | Recombinant Human RTN4 Protein is produced by our E. coli expression system and the target gene encoding Met1-Val185 is expressed with a GST tag at the N-terminus. | | |
| Form | Lyophilized from a 0.2 μM filtered solution of 20mM PB, 150mM NaCl, pH 7.4. | | |
| Gene Symbol | RTN4 | | |
| Alternative Names | KIAA0886; NOGO; Reticulon-4; Foccen; Neurite outgrowth inhibitor; Nogo protein; Neuroendocrine-specific protein; NSP; Neuroendocrine-specific protein C homolog; RTN-x; Reticulon-5 | | |
| Entrez Gene | 57142 (Human) | | |
| SwissProt | Q9NQC3 (Human) | | |
| Purity | Greater than 95% as determined by reducing SDS-PAGE. | | |
| Chemical Structure | <p>MSPILGYWKI KGLVQPTRL LLEYLEEKYEE HLYERDEGDK WRNKKFELGL EFPNLPYYID</p> <p>GDVKLTQSMA IIRYIADKHN MLGGCPKERA EISMLEGAVL DIRYGVSRIA YSKDFETLKV</p> <p>DFLSKLP EML KMFEDRLCHK TYLNGDHVTH PDFMLYDALD VVLYMDPMCL DAFPKLVCFK</p> <p>KRIEAIPIQID KYLKSSKYIA WPLQGWQATF GGGDHPPKSD LVPRGSMEDL DQSPLVSSSD</p> <p>SPPRPQPAFK YQFVREPEDE EEEEEEEED EDEDLEELEV LERKPAAGLS AAPVPTAPAA</p> <p>GAPLMDFGND FVPPAPRGPL PAAPPVAPER QPSWDPSVPS STVPAPSPLS AAVSPSKLP</p> <p>EDDEPPARPP PPPASVSPQ AEPVWTPPAP APAAPPSTPA APKRRGSSGS V</p> | | |
| Quality Control | Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test. | | |
| Directions for Use | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the | | |

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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Product Data Sheet

lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

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