

## PRODUCT INFORMATION

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| <b>Target</b>                           | NEU1   |
| <b>Synonyms</b>                         | NEU; NANH; SIAL1   |
| <b>Description</b>                      | Recombinant human NEU1 Protein with C-terminal 10×His tag  |
| <b>Delivery</b>                         | In Stock   |
| <b>Uniprot ID</b>                       | Q99519   |
| <b>Expression Host</b>                  | HEK293   |
| <b>Tag</b>                              | C-10×His tag   |
| <b>Molecular Characterization</b>       | NEU1(Glu48-Leu415) 10×His tag  |
| <b>Molecular Weight</b>                 | The protein has a predicted molecular mass of 41.6 kDa after removal of the signal peptide.  |
| <b>Purity</b>                           | The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.   |
| <b>Formulation &amp; Reconstitution</b> | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.   |
| <b>Storage&amp;Shipping</b>             | Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.  |
| <b>Sterility</b>                        | Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 µm) prior to use.  |
| <b>Background</b>                       | The protein encoded by this gene is a lysosomal enzyme that cleaves terminal sialic acid residues from substrates such as glycoproteins and glycolipids. In the lysosome, this enzyme is part of a heterotrimeric complex together with beta-galactosidase and cathepsin A (the latter is also referred to as 'protective protein'). Mutations in this gene can lead to sialidosis, a lysosomal storage disease that can be type 1 (cherry red spot-myoclonus syndrome or normosomatic type), which is late-onset, or type 2 (the dysmorphic type), which occurs at an earlier age with increased severity. [provided by RefSeq, Jul 2008] |
| <b>Usage</b>                            | Research use only  |
| <b>Conjugate</b>                        | Unconjugated   |



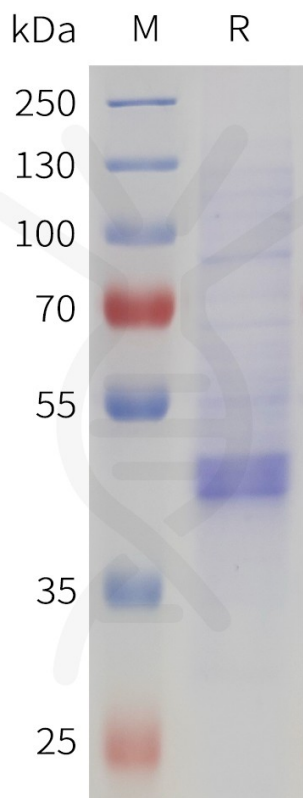


Figure 1. Human NEU1 Protein, His Tag on SDS-PAGE under reducing condition.

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