

PRODUCT INFORMATION

Target NEU1

Synonyms NEU; NANH; SIAL1

Recombinant human NEU1 Protein with C-**Description**

terminal 10×His tag

Delivery In Stock **Uniprot ID** Q99519 **Expression Host HEK293**

Tag C-10×His tag

Molecular

Background

NEU1(Glu48-Leu415) 10×His tag Characterization

The protein has a predicted molecular mass of **Molecular Weight** 41.6 kDa after removal of the signal peptide.

The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue

Purity

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before Formulation &

lyophilization. Please see Certificate of Analysis Reconstitution for specific instructions of reconstitution.

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). Storage & Shipping

Lyophilized proteins are shipped at ambient

temperature.

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 betagalactosidase 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

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Research use only Usage

Conjugate Unconjugated

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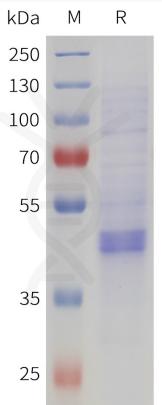


Figure 1. Human NEU1 Protein, His Tag on SDS-PAGE under reducing condition.



