

## Recombinant Human NEU2 Protein, His-tagged

**Cat. No.** NEU2-729H    **Lot. No.** (See product label)

### SPECIFICATION

|                             |                                                                                                                                                           |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>     | Recombinant human NEU2 (CAB41449.1) (Met1-Gln380) was expressed with a polyhistidine tag at the C-terminus.                                               |
| <b>Species</b>              | Human                                                                                                                                                     |
| <b>Source</b>               | HEK293                                                                                                                                                    |
| <b>ProteinLength</b>        | 1-380 a.a.                                                                                                                                                |
| <b>Predicted N Terminal</b> | Met                                                                                                                                                       |
| <b>Form</b>                 | Lyophilized from sterile NI-A, 20 % glycerol, 5% ~ 8% trehalose and mannitol.                                                                             |
| <b>Molecular Mass</b>       | The recombinant human NEU2 consists 391 amino acids and predicts a molecular mass of 43.7 kDa.                                                            |
| <b>Endotoxin</b>            | < 1.0 EU per µg of the protein as determined by the LAL method.                                                                                           |
| <b>Purity</b>               | >90 % as determined by SDS-PAGE                                                                                                                           |
| <b>Stability</b>            | Samples are stable for up to twelve months from date of receipt at -70°C.                                                                                 |
| <b>Storage</b>              | Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |

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**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

**GENE INFORMATION**

**Gene Name** NEU2 sialidase 2 (cytosolic sialidase) [ Homo sapiens ]

**Official Symbol** NEU2

**Synonyms**

NEU2; sialidase 2 (cytosolic sialidase); sialidase-2; N acetyl alpha neuraminidase 2; SIAL2; neuraminidase 2; cytosolic sialidase; N-acetyl-alpha-neuraminidase 2; MGC129579;

**Gene ID** 4759

**mRNA Refseq** NM\_005383

**Protein Refseq** NP\_005374

**MIM** 605528

**UniProt ID** Q9Y3R4

**Chromosome Location** 2q37

**Pathway**

Glycosphingolipid metabolism, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; Other glycan degradation, organism-specific biosystem; Other glycan degradation, conserved biosystem; Sphingolipid metabolism, organism-specific biosystem; Sphingolipid metabolism, organism-specific biosystem;

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