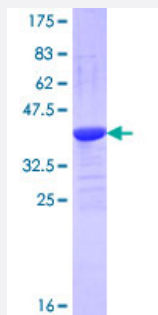


# NEU3 (Human) Recombinant Protein (Q01)

Catalog # H00010825-Q01

Size 25 ug, 10 ug

## Applications



## Specification

|                                      |                                                                                                                    |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>           | Human NEU3 partial ORF ( NP_006647.2, 411 a.a. - 520 a.a.) recombinant protein with GST-tag at N-terminal.         |
| <b>Sequence</b>                      | VTWHHGRLIRPMVTVECEVAEVTGRAGHPVLYCSARTPNRCRAEALSTDHGEGFQRLALSRQLC<br>EPPHGCQGSVVSFRPLEIPHRCQDSSSKDAPTIQQSSPGSSLRLEE |
| <b>Host</b>                          | Wheat Germ (in vitro)                                                                                              |
| <b>Theoretical MW (kDa)</b>          | 37.84                                                                                                              |
| <b>Interspecies Antigen Sequence</b> | Mouse (68); Rat (67)                                                                                               |
| <b>Preparation Method</b>            | <a href="#">in vitro wheat germ expression system</a>                                                              |
| <b>Purification</b>                  | Glutathione Sepharose 4 Fast Flow                                                                                  |
| <b>Quality Control Testing</b>       | 12.5% SDS-PAGE Stained with Coomassie Blue.                                                                        |
| <b>Storage Buffer</b>                | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                           |
| <b>Storage Instruction</b>           | Store at -80°C. Aliquot to avoid repeated freezing and thawing.                                                    |
| <b>Note</b>                          | Best use within three months from the date of receipt of this protein.                                             |

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — NEU3

Entrez GeneID [10825](#)

GeneBank Accession# [NM\\_006656](#)

Protein Accession# [NP\\_006647.2](#)

Gene Name NEU3

Gene Alias FLJ12388, SIAL3

Gene Description sialidase 3 (membrane sialidase)

Omim ID [604617](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** This gene product belongs to a family of glycohydrolytic enzymes which remove sialic acid residues from glycoproteins and glycolipids. It is localized in the plasma membrane, and its activity is specific for gangliosides. It may play a role in modulating the ganglioside content of the lipid bilayer. [provided by RefSeq]

**Other Designations** N-acetyl-alpha-neuraminidase 3|ganglioside sialidase|neuraminidase 3|sialidase 3

## Pathway

- [Other glycan degradation](#)
- [Sphingolipid metabolism](#)