

## Recombinant Human NEU4 protein, GST-tagged

**Cat. No.** NEU4-301537H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human NEU4 (158-496 aa) protein, fused to GST tag, was expressed in E. coli.                                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | Ala158-Ser496                                                                                                                                                                                                                                                                                                                                                               |
| <b>Form</b>             | The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8.). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization.                                                                                                                                      |
| <b>AA Sequence</b>      | AIGGAVQDWATFAVGPGHGVQLPSGRLLVPAYTYRVDRRECFGKICRTSPHSFAFY<br>SDDHGRTWRCGGLVPNLRSGECQLAAVDGGQAGSFLYCNARSPLGSRVQALSTD<br>EGTSFLPAERVASLPETAWGCQGSIVGFPAPAPNRPRDDSWSVGPGSPLQPPLLG<br>PGVHEPPEEAAVDPRGGQVPGGPF SRLQPRGDGPRQPGPRPGVSGDVGSWTLAL<br>PMPFAAPPQSPTWLLYSHPVGRRARLHMGIRLSQSPLDPRSWTEPWVIYEGPSGY<br>SDLASIGPAPEGGLVFACLYESGARTSYDEISFCTFSLREVLENPASPKPPNLGDKP<br>RGCCWPS |
| <b>Purity</b>           | 85%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                                                                                                                                                    |
| <b>Stability</b>        | Store for up to 12 months at -20°C to -80°C as lyophilized powder.                                                                                                                                                                                                                                                                                                          |

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|                |                                                                                                                                                                               |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b> | Short-term storage: Store at 2-8°C for (1-2 weeks).                                                                                                                           |
|                | Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles. |

## GENE INFORMATION

|                        |                                                                                                                 |
|------------------------|-----------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | NEU4 sialidase 4 [ Homo sapiens ]                                                                               |
| <b>Official Symbol</b> | NEU4                                                                                                            |
| <b>Synonyms</b>        | NEU4; sialidase 4; sialidase-4; neuraminidase 4; N-acetyl-alpha-neuraminidase 4; FLJ35928; MGC18222; MGC102757; |
| <b>Gene ID</b>         | 129807                                                                                                          |
| <b>mRNA Refseq</b>     | NM_001167599                                                                                                    |
| <b>Protein Refseq</b>  | NP_001161071                                                                                                    |
| <b>MIM</b>             | 608527                                                                                                          |
| <b>UniProt ID</b>      | Q8WWR8                                                                                                          |

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