

## Sialidase Isoenzyme M2 (Ganglioside Sialidase) (AuSialidase M2)

### Product Information

|                                 |                                                                                                                                                                                                                                                                                                               |
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| <b>Cat#</b>                     | DIA-856                                                                                                                                                                                                                                                                                                       |
| <b>Descriptions</b>             | Sialidase isoenzyme M2 (Ganglioside sialidase) (AuSialidase M2) preferentially hydrolyzes sialic acid residues from ganglioside substrates, exhibits distinct linkage specificity for different sialyl linkages, and is a valuable tool for ganglioside structural analysis and glycolipid function research. |
| <b>Applications</b>             | Sialidase isoenzyme M2 (Ganglioside sialidase) (AuSialidase M2) is used for ganglioside structure detection kits and glycolipidomics sample pretreatment reagent development.                                                                                                                                 |
| <b>CAS No.</b>                  | 32-1-183                                                                                                                                                                                                                                                                                                      |
| <b>Enzyme Commission Number</b> | EC 3.2.1.18                                                                                                                                                                                                                                                                                                   |
| <b>Enzyme Source</b>            | E.coli recombinant Sialidase isoenzyme M2 from Arthrobacter ureafaciens.                                                                                                                                                                                                                                      |
| <b>Reaction</b>                 | Neu5AcAlpha2, 3GalBeta1, 4Glc-Ceramide = GalBeta1, 4Glc-Ceramide + Neu5Ac                                                                                                                                                                                                                                     |
| <b>Activity Definition</b>      | One unit is defined as the amount of enzyme that catalyzes the formation of 1 $\mu$ mol Neu5Ac from Neu5AcAlpha2,3GalBeta1,4Glc Ceramide per minute at 37°C.                                                                                                                                                  |