

## Active Recombinant Mouse Ncam1, His-tagged

**Cat. No.** Ncam1-685M    **Lot. No.** (See product label)

### SPECIFICATION

|                             |                                                                                                                                                                                                                                                                                                                                                               |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>     | Recombinant Mouse Ncam1 (Accession # NP_001106675) Met1-Thr711, fused with a C-terminal 6-His tag, was produced in Mouse myeloma cell line, NS0-derived.                                                                                                                                                                                                      |
| <b>Species</b>              | Mouse                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>               | Mammalian Cells                                                                                                                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>        | 1-711 a.a.                                                                                                                                                                                                                                                                                                                                                    |
| <b>Predicted N Terminal</b> | Leu20                                                                                                                                                                                                                                                                                                                                                         |
| <b>Form</b>                 | Lyophilized from a 0.2 µ filtered solution in PBS.                                                                                                                                                                                                                                                                                                            |
| <b>Bio-activity</b>         | Measured by the ability of the immobilized protein to support the adhesion of Neuro-2A mouse neuroblastoma cells. When 5 x 10 <sup>4</sup> cells/well are added to mouse NCAM-1 coated plates (25 µg/mL with 100 µL/well), >20% will adhere after 1 hour incubation at 37 °C. Optimal dilutions should be determined by each laboratory for each application. |
| <b>Molecular Mass</b>       | Recombinant Mouse Ncam1, His-tagged has a calculated MW of 77.4 kDa. In SDS-PAGE migrates as 105-140 kDa, reducing conditions.                                                                                                                                                                                                                                |
| <b>Purity</b>               | >95%, by SDS-PAGE under reducing conditions and visualized by silver stain.                                                                                                                                                                                                                                                                                   |
| <b>Storage</b>              | Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3                                                                                                                                                                                 |

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months (-70°C).

**GENE INFORMATION**

|                        |                                                                              |
|------------------------|------------------------------------------------------------------------------|
| <b>Gene Name</b>       | Ncam1 neural cell adhesion molecule 1 [ Mus musculus ]                       |
| <b>Official Symbol</b> | Ncam1                                                                        |
| <b>Synonyms</b>        | NCAM1; neural cell adhesion molecule 1; N-CAM-1; CD56; Ncam; E-NCAM; NCAM-1; |
| <b>Gene ID</b>         | 17967                                                                        |
| <b>mRNA Refseq</b>     | NM_001081445                                                                 |
| <b>Protein Refseq</b>  | NP_001074914                                                                 |
| <b>MIM</b>             |                                                                              |

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