

## Active Recombinant Mouse Contactin 6, His-tagged

**Cat. No.** Cntn6-462M    **Lot. No.** (See product label)

### SPECIFICATION

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>    | Recombinant Mouse Cntn6 protein was expressed in CHO using a C-terminal 6-His tag. Glu20-Ser998.                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Species</b>             | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>              | CHO                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Protein Length</b>      | 20-998 a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>         | Cntn6, also known as NB3, is a 130 kDa member of the TAG/F3 subgroup of Contactin GPI-linked neuronal adhesion proteins. Mature mouse Cntn6 consists of six immunoglobulin-like domains, a flexible linker region, four fibronectin type III domains, and a GPI anchor. Mouse Cntn6 shares 90% and 96% amino acid (aa) sequence identity with human and rat Cntn6, respectively. Alternate splicing generates an isoform with a 17 aa deletion in the first Ig-like domain. |
| <b>Form</b>                | Lyophilized from a 0.2 µm filtered solution in PBS.                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>N-terminal Sequence</b> | Glu20                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Molecular Weight</b>    | 109.2 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Activity</b>            | Measured by the ability of the immobilized protein to support the adhesion of Neuro2a mouse neuroblastoma cells (ATCC: CCL131). When 5 x 10 <sup>4</sup> cells/well are added to rmCntn6 coated plates (10 µg/mL, 100 µL/well), approximately 40-60% will                                                                                                                                                                                                                   |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

adhereafter 30 minutes at 37 °C. Optimal dilutions should be determined by each laboratoryfor each application.

**Endotoxin Level** <1.0 EUper 1 µg of the protein by the LAL method.

**Purity** >95%,by SDS-PAGE under reducing conditions and visualized by silver stain.

**Reconstitution** Reconstituteat 100 µg/mL in sterile PBS

**Storage** Use a manualdefrost freezer and avoid repeated freezethaw cycles. 12 months from date of receipt, -20 to -70°C as supplied.1 month, 2 to 8°C under sterile conditions after reconstitution. 3 months,-20 to -70°C under sterile conditions after reconstitution.

## GENE INFORMATION

**Gene Name** [Cntn6 contactin6 \[ Mus musculus \]](#)

**Official Symbol** [Cntn6](#)

**Synonyms** Cntn6; contactin6; NB-3; mNB-3; neural recognition molecule NB-3

**Gene ID** [53870](#)

**mRNA Refseq** [NM\\_017383](#)

**Protein Refseq** [NP\\_059079](#)

**UniProt ID** [Q9JMB8](#)

**Chromosome Location** 6; 6 E2

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA