

Active Recombinant Mouse Contactin 6, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Mouse Cntn6 protein was expressed in CHO using a C-terminal 6-His tag. Glu20-Ser998.
Species	Mouse
Source	CHO
Protein Length	20-998 a.a.
Description	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.
Form	Lyophilized from a 0.2 µm filtered solution in PBS.
N-terminal Sequence	Glu20
Molecular Weight	109.2 kDa
Activity	Measured by the ability of the immobilized protein to support the adhesion of Neuro2a mouse neuroblastoma cells (ATCC: CCL131). When 5 x 10 ⁴ cells/well are added to rmCntn6 coated plates (10 µg/mL, 100 µL/well), approximately 40-60% will

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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

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