

# Recombinant Human CNTN1 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** CNTN1-6493H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | CNTN1 MS Standard C13 and N15-labeled recombinant protein (NP_778203) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>      | The protein encoded by this gene is a member of the immunoglobulin superfamily. It is a glycosylphosphatidylinositol (GPI)-anchored neuronal membrane protein that functions as a cell adhesion molecule. It may play a role in the formation of axon connections in the developing nervous system. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene.                                                                                                    |
| <b>Molecular Mass</b>   | 109.6 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>AA Sequence</b>      | MKMWLLVSHLVIIISITTCCLAVSEEDKGFPGPIFEEQPINTIYPEESLEGKVSLNCRARAS<br>PFPVYKWRMNNGDVDLTSDRYSMVGGNLVINNPDKQKDAGIYYCLASNNYGMVRS<br>TEATLSFGYLDPPFPPEERPEVRVKEGKGMVLLCDPPYHFPDDL SYRWLLNEFPVFIT<br>MDKRRFVSQTNGNLYIANVEASDKGNYSFCVSSPSITKSVFSKFIPLIPIPERTTKPYP<br>ADIVVQFKD VYALMGQNVLTLECFALGNPVPDIRWRKVLEPMPSTAEISTSGAVLKIFN<br>IQLEDEGIYECEAENIRGKDKHQARIYVQAFPEWVEHINDTEVDIGSDLYWPCVATGK<br>PIPTIRWLKNGYAYHKGELRLYDVT FENAGMYQCIAENTYGAIYANAELKILALAPTFE<br>MNPMKKKILAAKGGRVIECKPKAAPKPKFSWSKGT EWL VNSSRILIWEDGSLEINNI |

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TRNDGGIYTCFAENNRGKANSTGTLVITDPTRIILAPINADITVGENATMQCAASFDPA  
 LDLTFVWSFNGYVIDFNKENIHYQRNFMLDSENGELLIRNAQLKHAGRYTCTAQITVD  
 NSSASADLVVRGPPGPPGGLRIEDIRATSVALTWSRGSDNHSPISKYTIQTKTILSDD  
 WKDAKTDPPPIEGNMEAAARAVDLIPWMEYEFRRVATNTLGRGEPISPSNRIKTDGAA  
 PNVAPSDVGGGGGRNRELITWAPLSREYHYGNNFGYIVAFKPFDGEEWKKVTVTN  
 PDTGRYVHKDETMSPTAFQVKVKAFNNKGDGPYSLVAVINSAQDAPSEAPTEVGV  
 KVLSSSEISVHWEHVLEKIVESYQIRYWAAHDKEEAANRVQVTSQEYSARLENLLPD  
 TQYFIEVGACNSAGCGPPSDMIEAFTKKAPPSQPPRISSVRSGSRYIITWDHVVALS  
 NESTVTGYKVLVYRPDQHDGKLYSTHKHSIEVPIPRDGEYVVEVRAHSDGGDGVVS  
 QVKISGAPTLSPSLLGLLLPAFGILVYLEFTRTRPLEQKLISEEDLAANDILDYKDDDDK  
 V

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** CNTN1 contactin 1 [ Homo sapiens (human) ]

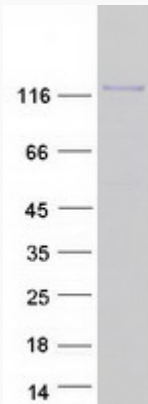
**Official Symbol** CNTN1

**Synonyms** CNTN1; contactin 1; contactin-1; F3; glycoprotein gP135; GP135; neural cell surface protein F3;

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|                |                                                                                     |
|----------------|-------------------------------------------------------------------------------------|
| Gene ID        | 1272                                                                                |
| mRNA Refseq    | NM_175038                                                                           |
| Protein Refseq | NP_778203                                                                           |
| MIM            | 600016                                                                              |
| UniProt ID     | Q12860                                                                              |
| SDS-PAGE       |  |