

## Active Recombinant Human CNTN3 protein(Met1-Ser1002, 708Asp/Asn), hFc-tagged

**Cat. No.** CNTN3-76H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Active Recombinant Human CNTN3 protein(NP_065923.1) (Met 1-Ser 1002, 708 Asp/Asn) was expressed in HEK293 with the fused Fc region of human IgG1 at the C-terminus.                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                         |
| <b>ProteinLength</b>    | 1-1002 aa, 708 Asp/Asn                                                                                                                                                                                                                                                         |
| <b>Form</b>             | Lyophilized from sterile 100mM Glycine, 10mM NaCl, 50mM Tris, pH 7.5.                                                                                                                                                                                                          |
| <b>Bio-activity</b>     | Measured by the ability of the immobilized protein to support the adhesion of C6 Rat brain glial cells. When $5 \times 10^4$ cells/well are added to CNTN3 coated plates (0.8 µg/ml and 100 µl/well), approximately 30%-50% will adhere specifically after 60 minutes at 37°C. |
| <b>Molecular Mass</b>   | The recombinant human CNTN3/Fc chimera consists of 1221 amino acids and has a calculated molecular mass of 134.5 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhCNTN3/Fc chimera is approximately 160-170 kDa due to glycosylation.              |
| <b>Endotoxin</b>        | < 1.0 EU per µg of the protein as determined by the LAL method.                                                                                                                                                                                                                |

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|                       |                                                                                                                                                                                      |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>         | > 90 % as determined by SDS-PAGE                                                                                                                                                     |
| <b>Storage</b>        | Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles. |
| <b>Reconstitution</b> | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.        |

## GENE INFORMATION

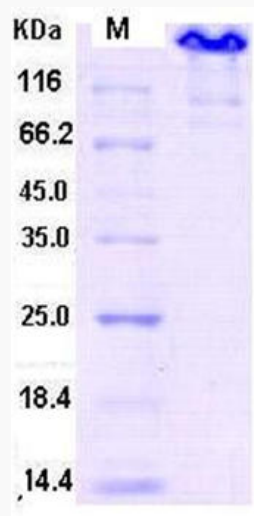
|                        |                                                                                                                                                                                                  |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | CNTN3 contactin 3 (plasmacytoma associated) [ Homo sapiens ]                                                                                                                                     |
| <b>Official Symbol</b> | CNTN3                                                                                                                                                                                            |
| <b>Synonyms</b>        | CNTN3; contactin 3 (plasmacytoma associated); PANG; contactin-3; BIG 1; plasmacytoma-associated neuronal glycoprotein; brain-derived immunoglobulin superfamily protein 1; PCS; BIG-1; KIAA1496; |
| <b>Gene ID</b>         | 5067                                                                                                                                                                                             |
| <b>mRNA Refseq</b>     | NM_020872                                                                                                                                                                                        |
| <b>Protein Refseq</b>  | NP_065923                                                                                                                                                                                        |
| <b>MIM</b>             | 601325                                                                                                                                                                                           |
| <b>UniProt ID</b>      | Q9P232                                                                                                                                                                                           |

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SDS-PAGE



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