

# Recombinant Human cerebellin 4 precursor Protein, His tagged

**Cat. No.** CBLN4-001H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant human cerebellin 4 precursor Protein (28-201 aa) with C-His tag was expressed in baculovirus-insect cells.                                                                                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | Insect Cells                                                                                                                                                                                                                                                                                                                    |
| <b>ProteinLength</b>    | 28-201aa                                                                                                                                                                                                                                                                                                                        |
| <b>Description</b>      | This gene encodes a member of a family of small secreted proteins containing C1Q domains. Members of this family are involved in regulation of neurexin signalling during synapse development. The mouse homolog of the protein encoded by this gene competes with netrin to bind to the deleted in colorectal cancer receptor. |
| <b>Tag</b>              | C-His                                                                                                                                                                                                                                                                                                                           |
| <b>Molecular Mass</b>   | 20 kDa                                                                                                                                                                                                                                                                                                                          |
| <b>AA Sequence</b>      | MQNDTEPIVLEGKCLVVCDSPATDSKGSSSSPLGISVRAANSKVAFSASVRSTNHEP<br>SEMSNKTRIIFYDQILVNVGNFFTLSEVFVAPRKGIYSFSFHVIVKQYQSQTIVNLMLN<br>GKPVISAFAGDKDVTREAAATNGVLLYLDKEDKVYLKLEKGNLVGGWQYSTFSGFLVF<br>PLHHHHHHHHH                                                                                                                           |
| <b>Endotoxin</b>        | < 1 EU/μg of protein (determined by LAL method)                                                                                                                                                                                                                                                                                 |

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|                       |                                                                                                                                                                     |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>         | > 80% by SDS-PAGE                                                                                                                                                   |
| <b>Storage</b>        | Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| <b>Storage Buffer</b> | Sterile PBS, pH 7.4                                                                                                                                                 |
| <b>Concentration</b>  | 1 mg/mL by BCA                                                                                                                                                      |

## GENE INFORMATION

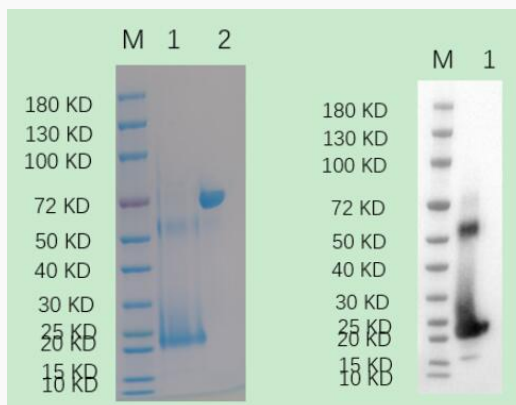
|                        |                                                                                                                                                                    |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | CBLN4 cerebellin 4 precursor [ Homo sapiens (human) ]                                                                                                              |
| <b>Official Symbol</b> | CBLN4                                                                                                                                                              |
| <b>Synonyms</b>        | CBLN4; cerebellin 4 precursor; CBLNL1, cerebellin precursor like 1; cerebellin-4; dJ885A10.1; cerebellin precursor-like 1; cerebellin-like glycoprotein 1; CBLNL1; |
| <b>Gene ID</b>         | 140689                                                                                                                                                             |
| <b>mRNA Refseq</b>     | NM_080617                                                                                                                                                          |
| <b>Protein Refseq</b>  | NP_542184                                                                                                                                                          |
| <b>MIM</b>             | 615029                                                                                                                                                             |
| <b>UniProt ID</b>      | Q9NTU7                                                                                                                                                             |

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**Reducing 4%-20%  
SDS-PAGE (CBB  
stained) and WB  
(Anti-His Mouse  
Monoclonal  
Antibody) analysis  
profiles of purified  
CBLN4.**



1. CBLN4
2. BSA

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