

## Recombinant Human CEACAM16 Protein, MYC/DDK-tagged, C13 and N15-labeled

**Cat. No.** CEACAM16-109H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | CEACAM16 MS Standard C13 and N15-labeled recombinant protein (NP_001034302) 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 secreted glycoprotein that in mouse interacts with tectorial membrane proteins in the inner ear. The encoded adhesion protein is found in cochlear outer hair cells and appears to be important for proper hearing over an extended frequency range. Defects in this gene likely are a cause of non-syndromic autosomal dominant hearing loss.                                                                                                               |
| <b>Molecular Mass</b>   | 52.68 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>AA Sequence</b>      | MSDLLSIYSAPVVVSTVLHMLQIRKLRLGRVHKLPRVLEVGNSGTMSRAYTFFFLRW<br>SFMALTGYSWLLSATFLNVGAEISITLEPAQPSEGDNVTLVVHGLSGELLAYSWYA<br>GPTLSVSYLVASYIVSTGDETPGPAHTGREAVRPDGSLDIQGILPRHSGTYILQTFNR<br>QLQTEVG YGHVQVHEILAQPTVLANSTALVERRDTLR LMCSSPSPTAEVRWFFNGG<br>ALPVALRLGLSPDGRVLARHGIRREEAGAYQCEVWNPVSVSRSEPINLTVYFGPER<br>VAILQDSTTRTGCTIKVDFNTSLTLWCVSRSCPEPEYVWTFNGQALKNGQDHLNISS<br>MTAAQEGTYTCAKNKTKLLSGSASVVVKLSAAAVATMIVPVPTKPTEGQDVTTLTVQ<br>GYPKDLLVYAWYRGPASEPNRLLSQLPSGTWIAGPAHTGREVGFPNCSLLVQKLN |

 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

|                       |                                                                                            |
|-----------------------|--------------------------------------------------------------------------------------------|
|                       | TDTGRYTLKTVTVQGKTETLEVELQVAPLGTRTRPLEQKLISEEDLAANDILDYKDDD<br>DKV                          |
| <b>Purity</b>         | > 80% as determined by SDS-PAGE and Coomassie blue staining                                |
| <b>Stability</b>      | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| <b>Storage</b>        | Store at -80 centigrade. Avoid repeated freeze-thaw cycles.                                |
| <b>Concentration</b>  | 50 µg/mL as determined by BCA                                                              |
| <b>Storage Buffer</b> | 100 mM glycine, 25 mM Tris-HCl, pH 7.3.                                                    |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | CEACAM16 CEA cell adhesion molecule 16, tectorial membrane component [ Homo sapiens (human) ]                                                                                                                                                                  |
| <b>Official Symbol</b> | CEACAM16                                                                                                                                                                                                                                                       |
| <b>Synonyms</b>        | CEACAM16; CEA cell adhesion molecule 16, tectorial membrane component; CEAL2; DFNA4B; DFNB113; carcinoembryonic antigen-related cell adhesion molecule 16; carcinoembryonic antigen like-2 protein; carcinoembryonic antigen related cell adhesion molecule 16 |
| <b>Gene ID</b>         | 388551                                                                                                                                                                                                                                                         |
| <b>mRNA Refseq</b>     | NM_001039213                                                                                                                                                                                                                                                   |
| <b>Protein Refseq</b>  | NP_001034302                                                                                                                                                                                                                                                   |

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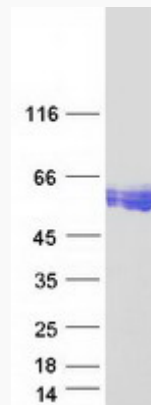
 45-1 Ramsey Road, Shirley, NY 11967, USA



MIM 614591

UniProt ID Q2WEN9

SDS-PAGE



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