

# Active Recombinant Human CEACAM1 Protein, His-Avi-tagged, Biotinylated

**Cat. No.** CEACAM1-660H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Biotinylated Human CEACAM-1, His Tag is expressed from HEK293 cells. It contains AA Gln 35 - Gly 428 (Accession # P13688). This protein carries an Avi tag at the C-terminus, followed by a polyhistidine tag. |
| <b>Species</b>          | Human                                                                                                                                                                                                          |
| <b>Source</b>           | HEK293                                                                                                                                                                                                         |
| <b>ProteinLength</b>    | Gln 35 - Gly 428                                                                                                                                                                                               |
| <b>Form</b>             | Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.                                                                                     |
| <b>Bio-activity</b>     | Immobilized Human CD209, His Tag at 5 µg/mL (100 µL/well) can bind Biotinylated Human CEACAM-1, Avitag,His Tag with a linear range of 10-78 ng/mL (QC tested).                                                 |
| <b>Molecular Mass</b>   | The protein has a calculated MW of 45.9 kDa. The protein migrates as 66-115 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.                                                                  |
| <b>Endotoxin</b>        | Less than 1.0 EU per µg by the LAL method.                                                                                                                                                                     |
| <b>Purity</b>           | >95% as determined by SDS-PAGE.                                                                                                                                                                                |
| <b>Storage</b>          | For long term storage, the product should be stored at lyophilized state at -20                                                                                                                                |

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centigrade or lower.  
Please avoid repeated freeze-thaw cycles.  
This product is stable after storage at:  
-20 centigrade to -70 centigrade for 12 months in lyophilized state;  
-70 centigrade for 3 months under sterile conditions after reconstitution.

**Reconstitution**

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.

**Conjugation**

Biotin

## GENE INFORMATION

**Gene Name**

CEACAM1 carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein) [ Homo sapiens ]

**Official Symbol**

CEACAM1

**Synonyms**

CEACAM1; carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein); BGP; carcinoembryonic antigen-related cell adhesion molecule 1; BGP1; CD66a; antigen CD66; CD66a antigen; BGPI;

**Gene ID**

634

**mRNA Refseq**

NM\_001024912

**Protein Refseq**

NP\_001020083

**MIM**

109770

**UniProt ID**

P13688

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