

## Recombinant Full Length Human CEACAM1 Protein

Cat. No. CEACAM1-3268HF Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Human CEACAM1 full-length ORF (NP\_001020083.1) recombinant protein without tag.

**Species** Human

**Source** In Vitro Cell Free System

**ProteinLength** 168 amino acids

#### Description

This gene encodes a member of the carcinoembryonic antigen (CEA) gene family, which belongs to the immunoglobulin superfamily. Two subgroups of the CEA family, the CEA cell adhesion molecules and the pregnancy-specific glycoproteins, are located within a 1.2 Mb cluster on the long arm of chromosome 19. Eleven pseudogenes of the CEA cell adhesion molecule subgroup are also found in the cluster. The encoded protein was originally described in bile ducts of liver as biliary glycoprotein. Subsequently, it was found to be a cell-cell adhesion molecule detected on leukocytes, epithelia, and endothelia. The encoded protein mediates cell adhesion via homophilic as well as heterophilic binding to other proteins of the subgroup. Multiple cellular activities have been attributed to the encoded protein, including roles in the differentiation and arrangement of tissue three-dimensional structure, angiogenesis, apoptosis, tumor suppression, metastasis, and the modulation of innate and adaptive immune responses. Multiple transcript variants encoding different isoforms have been reported, but the full-length nature of all variants has not been defined. [provided by RefSeq, May 2010]

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|                         |   |
|-------------------------|---|
| <b>Form</b>             | Liquid  |
| <b>Molecular Mass</b>   | 50.5 kDa  |
| <b>AA Sequence</b>      | <p>MGHLSAPLHRVRVPWQGLLLTASLLTFWNPPTTAQLTTESMPFNVAEGKEVLLLVH<br/> NLPQQFLFGYSWYKGERVDGNRQIVGYAIGTQQATPGPANSGRETIYPNASLLIQNVT<br/> QNDTGFYTLQVIKSDLVNEEATGQFHVYPELPKPSISSNNSNPVEDKDAVAFTCEPE<br/> TQDTTYLWWINNQSLPVSPRLQLSNGNRTLTLSSVTRNDTGPYECEIQNPVSANRS<br/> DPVTLNVTYGPDTPTISPSTYYRPGANLSLSCYAASNPPAQYSWLINGTFQQSTQE<br/> LFIPNITVNNSGSYTCHANNSVTGCNRTTVKTIIVTELSPVVAKPQIKASKTTVTGDKD<br/> SVNLTCSTNDTGISIRWFFKNQSLPSSERMKLSQGNTTLSINPVKREDAGTYWCEVF<br/> NPISKNQSDPIMLNVNYNALPQENGLSPGAIAGIVIGVVALVALIAVALACFLHFGKTG<br/> SSGPLQ</p> |
| <b>Applications</b>     | <p>Antibody Production<br/> Functional Study<br/> Compound Screening</p>  |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.  |
| <b>Storage Buffer</b>   | 25 mM Tris-HCl of pH8.0 containing 2% glycerol.   |
| <b>GENE INFORMATION</b> |   |
| <b>Gene Name</b>        | CEACAM1 carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein) [ Homo sapiens ]   |
| <b>Official Symbol</b>  | CEACAM1   |
| <b>Synonyms</b>         | CEACAM1; carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein); BGP; carcinoembryonic antigen-related cell adhesion molecule 1;  |

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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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