

Recombinant Human CEACAM1 Protein

Cat. No. CEACAM1-1090H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CEACAM1 full-length ORF (NP_001020083.1) recombinant protein without tag.
Species	Human
Source	Wheat Germ
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]
Form	Liquid

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Molecular Mass	50.5 kDa
AA Sequence	MGHLSAPLHRVRVPWQGLLLTASLLTFWNPPTTAQLTTESMPFNVAEGKEVLLLVH NLPQQFLFGYSWYKGERVDGNGRQIVGYAIGTQQATPGPANSGRETIYPNASLLIQNVT QNDTGfYTLQVIKSDLVNEEATGQFHVYPELPKPSISSNNSNPVEDKDAVAFTCEPE TQDTTYLWWINNQSLPVSPRLQLSNGNRTLTLSSVTRNDTGPYECEIQNPVSANRS DPVTLNVTYGPDTPTISPSDTYYRPGANLSLSCYAASNPPAQYSWLINGTFQQSTQE LFIPNITVNNSGSYTCHANNSVTGCNRTTVKTIIVTELSPVVAKPQIKASKTTVTGDKD SVNLTCSNDTGISIRWFFKNQSLPSSERMKLSQGNTTSLINPVKREDAGTYWCEVF NPISKNQSDPIMLVNRYNALPQENGLSPGAIGIVIGVVALVALIAVALACFLHFGKTG SSGPLQ
Applications	Antibody Production Functional Study Compound Screening
Usage	Heating may cause protein aggregation. Please do not heat this product before electrophoresis.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	25 mM Tris-HCl of pH8.0 containing 2% glycerol.
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

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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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