

## Product datasheet for **TP304901M**

### CEACAM1 (NM\_001024912) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein) (CEACAM1), transcript variant 2, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204901 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MGHLSAPLHRVRVPWQGLLLTASLLTFWNPPTTAQLTTESMPFNVAEGKEVLLLHNLPPQLFGYSWYKG  
ERVDGNRQIVGYAIGTQQATPGPANSGRETIYPNASLLIQNVTQNDTGFYTLQVIKSDLVNEEATGQFHV  
YPELPKPISSNNSNPVEDKDAVAFTCEPETQDTTYLWWINQSLPSPRLQLSNGNRTLTLSSVTRNDT  
GPYECEIQNPVSANRSDPVTNLNVTYGPDTPTISPSTYYRPGANLSLSCYAASNPPAQYSWLINGTFQQS  
TQELFIPNITVNNSGSYTCHANN SVTGCNRTTVKTIIVTELSPVVAKPQIKASKTTVTGDKDSVNLTCST  
NDTGISIRWFFKNQSLPSSERMKLSQGNLTLSINPVKREDAGTYWCEVFNPISKNQSDPIMLNVNYNALP  
QENGLSPGAIAGIVIGVVALVALIAVALACFLHFGKTGRTPMTHLTR

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	46.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP\\_001020083](#)

Locus ID: 634

UniProt ID: [P13688](#), [Q3KRG8](#)

RefSeq Size: 3475

Cytogenetics: 19q13.2

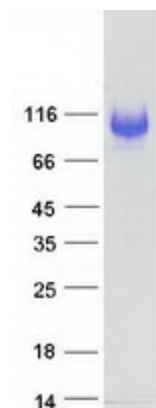
RefSeq ORF: 1404

Synonyms: BGP; BGP1; BGPI

**Summary:** 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]

**Protein Families:** Druggable Genome, Transmembrane

### Product images:



Coomassie blue staining of purified CEACAM1 protein (Cat# [TP304901]). The protein was produced from HEK293T cells transfected with CEACAM1 cDNA clone (Cat# [RC204901]) using MegaTran 2.0 (Cat# [TT210002]).