

Product datasheet for TP330069

CEACAM1 (NM_001184813) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Purified recombinant protein of Homo sapiens carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein) (CEACAM1), transcript variant 4, 20 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC230069 representing NM_001184813
Red=Cloning site Green=Tags(s)

MGHLSAPLHRVRVPWQGLLLTASLLTFWNPPTTAQLTTESMPFNVAEGKEVLLLHNLPPQLFGYSWYKG
ERVDGNRQIVGYAIGTQQATPGPANSGRETIYPNASLLIQNVTQNDTGFYTLQVIKSDLVNEEATGQFHV
YPELPKPSISSNNSNPVEDKDAVAFTCEPETQDTTYLWWINQSLPVSRLQLSNGNRTLTLSSVTRNDT
GPYECEIQNPVSANRSDPVTNLNVTYGPDTPTTISPSDYYRPGANLSLSCYAASNPPAQYSWLINGTFQQS
TQELFIPNITVNNSGSYTCHANN SVTGCNRTTVKTIIVTDNALPQENGLSPGAIAGIVIGWVALVALIAV
ALACFLHFGKTGRASDQRDLTEHKPSVSNHTQDHSNDPPNKMNEVYSTLNFEAQPTQPTSASPSLTAT
EIIYSEVKKQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 47.4

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: NULL or Add: Recombinant proteins 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_001171742](#)

Locus ID: 634

UniProt ID: [P13688](#)

Cytogenetics: 19q13.2

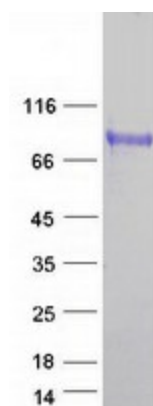
RefSeq ORF: 1290

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# TP330069). The protein was produced from HEK293T cells transfected with CEACAM1 cDNA clone (Cat# [RC230069]) using MegaTran 2.0 (Cat# [TT210002]).