

Proteoliposomes

Full-Length

CEACAM1 (Human) Recombinant Protein

Catalog # H00000634-G01

Size 10 ug

Specification

Product Description	Human CEACAM1 full-length ORF (NP_001020083.1) recombinant protein without tag. This product is belong to Proteoliposome (PL).
Sequence	MGHLSAPLHRVRVPWQGLLLTASLLTFWNPPTTAQLTTESMPFNVAEGKEVLLL VHNLPPQQLFGY SWYKGERVDGNRQVGYAIGTQQATPGPANSGRETIYPNASLLIQNV TQNDTGFYTLQVIKSDLVNE EATGQFHVYPELPKPSISSNNSNPVEDKDAVAFTCEPETQDDTYLWWINNQSLPVSPRLQLSNGN RTLTLSSVTRNDTGPECEIQNPVSANRSDPVTLNVTYGPDTPTISPSDTYRPGANLSLSCYAASN PPAQYSWLINGTFQQSTQELFIPNITVNNSGSYCHANNSVTGCNRTTVKTIVTELSPVVAKPQIKA SKTTVTGDKDSVNLTCSTNDTGISIRWFFKNQSLPSSERMKLSQGNTLSINPVKREDAGTYWCE VFNPISKQSDPIMLVNYNALPQENGLSPGAIGMIGVVALVALIAVALACFLHFGKTGSSGPLQ
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	50.5
Interspecies Antigen Sequence	Mouse (54); Rat (55)
Form	Liquid
Preparation Method	in vitro wheat germ expression system with proprietary liposome technology
Purification	None
Recommend Usage	Heating may cause protein aggregation. Please do not heat this product before electrophoresis.
Storage Buffer	25 mM Tris-HCl of pH8.0 containing 2% glycerol.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Antibody Production

Gene Info — CEACAM1

Entrez GeneID	634
GeneBank Accession#	NM_001024912.1
Protein Accession#	NP_001020083.1
Gene Name	CEACAM1
Gene Alias	BGP, BGP1, BGPI
Gene Description	carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein)
Omim ID	109770
Gene Ontology	Hyperlink
Gene Summary	<p>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 only two has been determined. [provided by RefSeq]</p>
Other Designations	CD66a antigen antigen CD66 biliary glycoprotein adhesion molecule carcinoembryonic antigen-related cell adhesion molecule 1

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