Recombinant Human CEACAM1 Protein, C-Myc/DDK-tagged

Product Information

Cat	*IMP-7495*
Official Symbol	*CEACAM1*
Product Overview	*Recombinant protein of human carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein) (CEACAM1), transcript variant 3 with a C-Myc/DDK tag was expressed in HEK293T.*
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]*
Expression System	*HEK293T*
Species	*Human*
Tag	*C-Myc/DDK*
Form	*25mM Tris.HCl, pH 7.3, 100mM glycine, 10% glycerol*
Molecular Mass	*50.8 kDa*
AA Sequence	*MGHLSAPLHRVRVPWQGLLLTASLLTFWNPPTTAQLTTESMPFNVAEGK EVLLLVHNLPQQLFGYSWYKGERVDGNRQIVGYAIGTQQATPGPANSGR ETIYPNASLLIQNVTQNDTGFYTLQVIKSDLVNEEATGQFHVYPELPKPSIS SNNSNPVEDKDAVAFTCEPETQDTTYLWWINNQSLPVSPRLQLSNGNRT LTLLSVTRNDTGPYECEIQNPVSANRSDPVTLNVTYGPDTPTISPSDTYYR PGANLSLSCYAASNPPAQYSWLINGTFQQSTQELFIPNITVNNSGSYTCH ANNSVTGCNRTTVKTIIVTERQNLTMLPRLDSNSWAQAILPSVSQSAEITD NALPQENGLSPGAIAGIVIGVVALVALIAVALACFLHFGKTGRASDQRDLTE HKPSVSNHTQDHSNDPPNKMNEVTYSTLNFEAQQPTQPTSASPSLTATEI*

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IYSEVKKQTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining.

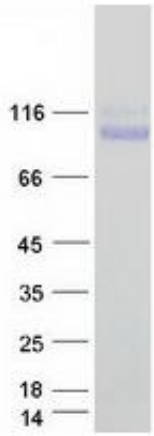
Storage

Store at -80 centigrade. Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

Concentration

> 50 μg/mL as determined by microplate BCA method.

SDS-PAGE



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