

## 32-7402: Recombinant Human CEACAM1/CD66a (C-6His)

**Gene :** CEACAM1

**Gene ID :** 634

**Uniprot ID :** P13688

### Description

Source: Human Cells.

MW :44.33kD.

Recombinant Human CEACAM1 is produced by our Mammalian expression system and the target gene encoding Gln35-Gly428 is expressed with a 6His tag at the C-terminus. Carcinoembryonic Antigen-Related Cell Adhesion Molecule 1 (CEACAM1) is a member of the Carcinoembryonic Antigen (CEA) family, which belongs to the immunoglobulin superfamily. CEACAM1 is originally described in bile ducts of liver as biliary glycoprotein. Subsequently, it is found to be a cell-cell adhesion molecule detected on leukocytes, epithelia, and endothelia. CEACAM1 mediates cell adhesion via homophilic as well as heterophilic binding to other proteins of the subgroup. In addition, CEACAM1 plays a important role in the differentiation and arrangement of tissue three-dimensional structure, angiogenesis, apoptosis, tumor suppression, metastasis, and the modulation of innate and adaptive immune responses.

### Product Info

**Amount :** 10 µg / 50 µg

**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.

**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

**Amino Acid :** QLTTESMPFNVAEGKEVLLLHVHNLPPQLFGYSWYKGERVDGNRQIVGYAIGTQQATPGPANSGRETIYPNASLLIQNVTQNDTGFYTLQVIKSDLVNEEATGQFHVYPELPKPSISSNNSNPVEDKDAVAFTCEPETQDTTYLWWINNQSLPVPRLQLSNGNRTLTLVTRNDTGPYECEIQNPVSANRSDPVTNLNVTYGPDPTISPSTYYRPGANLSLSCYAASNPPAQYSWLINGTFQSTQELFIPNITVNNSGSYTCANNSTGTCNRRTTKTIIVTELSPVVAKPQIKASKTTVTGDKDSVNLTCSTNDTGISIRWFFKNQSLPSSERMKLSQGNTTSLINPVKREDAGTYWCEVFNPISKNQSDPIMLNVNYPALPQENGLSPGVDHHHHHHH

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.