

CEACAM1, 35-428aa, Human, His-tag, Baculovirus

Cat.NO.: TP01568

3th Edition

Synonyms: Carcinoembryonic antigen-related cell adhesion molecule 1 isoform 6, CEACAM1, BGP, BGP1, BGPI.

Description: CEACAM1, also known as carcinoembryonic antigen-related cell adhesion molecule 1 isoform 6, is a member of the carcinoembryonic antigen (CEA) gene family which belongs to the immunoglobulin superfamily. This protein is a surface glycoprotein expressed on various blood cells, epithelial cells, and vascular cells. It performs actions in multiple cellular processes including tissue differentiation, angiogenesis, apoptosis, metastasis, as well as the modulation of innate and adaptive immune responses. Recombinant human CEACAM1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight: 44.6kDa (405aa), 40-70kDa (SDS-PAGE under reducing conditions.)

Sequences:

ADPEFQLTTESMPFNVAEGKEVLLLVHNLPPQLFGYSWYKGERVDGNGRQIVGYAIGTQQATPGPANSGRETIYPNA
SLLIQNVTQNDTGFTLQVIKSDLVNEEATGQFHVPELPKPSISSNNSNPVEDKDAVAFTCEPETQDTTYLWWINN
QSLPVSRLQLSNGNRTLTLSSVTRNDTGPECEIQNPVSANRSDPVTNLNVTYGPDTPTISPSDTYYRPGANLSLSC
YAASNPPAQYSWLINGTFQQSTQELFIPNITVNNSGSYTCHANNSVTGCNRTTVKTIIVTELSPVVAKPQIKASKTTV
TGDKDSVNLTCSTNDTGISIRWFFKNQSLPSSERMKLSQGNTTSLINPVKREDAGTYWCEVFNPISKNQSDPIMLVN
NYNALPQENGLSPGHHHHHH

Purity: > 95% by HPLC

Concentration: 0.25mg/ml (determined by Absorbance at 280nm)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.