

Recombinant human CD66a/CEACAM1 protein

Catalog Number: ATGP3441

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

35-428aa

UniProt No.

P13688

NCBI Accession No.

NP_001192273

Alternative Names

Carcinoembryonic antigen-related cell adhesion molecule 1 isoform 6, CEACAM1, BGP, BGP1, BGPI, CEA cell adhesion molecule 1, Biliary glycoprotein 1

PRODUCT SPECIFICATION

Molecular Weight

44.6 kDa (405aa)

Concentration

0.25mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 90% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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

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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.

Amino acid Sequence

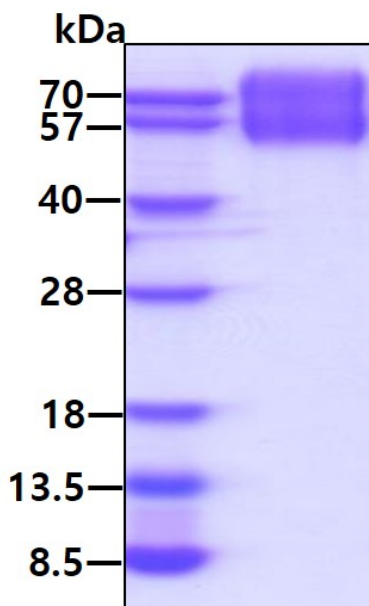
<ADPEF>QLTTE SMPFNVAEGK EVLLLHNL P QQLFGYSWK GERVDGNRQI VGYAIGTQQA TPGPANS GRE TIYPNASLLI QNVTQNDTGF YTLQVIKSDL VNEEATGQFH VYPELPKPSI SSNNSNPVED KDAVAFTCEP ETQDTTYLWW INNQSLPVSP RLQLSNGNRT LTLLSVTRND TGPYECEIQN PVSANRSDPV TLNVTYGPD TPTISPSDTYY RPGANLSLSC YAASNPPAQY SWLINGTFQQ STQELFIPNI TVNNSGSYTC HANNSVTGCN RTTVKTIIVT ELSPVVAKPQ IKASKTTVTG DKDSVNL TCS TNDTGISIRW FFKNQSLPSS ERMKLSQGNT TLSINPVKRE DAGTYWCEVF NPISKNSDP IMLNVNYNAL PQENGLSPG<H HHHHH>

General References

Beauchemin N., et al. (1999) *Exp. Cell Res.* 252:243-349.
Bogoevska V., et al. (2006) *Glycobiology.* 16:197-209.

DATA

SDS-PAGE



3 μ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.