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

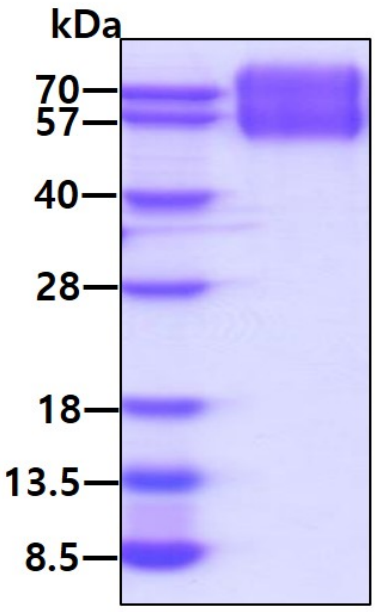
<ADPEF>QLTTE SMPFNVAEGK EVLLLVHNLP QQLFGYSWYK GERVDGNRQI VGYAIGTQQA TPGPANSGRE TIYPNASLLI QNVTQNDTGF YTLQVIKSDL VNEEATGQFH VYPELPKPSI SSNNSNPVED KDAVAFTCEP ETQDTTYLWW INNQSLPVSP RLQLSNGNRT LTLLSVTRND TGPYECEIQN PVSANRSDPV TLNVTYGPDT PTISPSDTYY RPGANLSLSC YAASNPPAQY SWLINGTFQQ STQELFIPNI TVNNSGSYTC HANNSVTGCN RTTVKTIIVT ELSPVVAKPQ IKASKTTVTG DKDSVNLTCS TNDTGISIRW FFKNQSLPSS ERMKLSQGNT TLSINPVKRE DAGTYWCEVF NPISKNQSDP 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



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