Recombinant human CD66e/CEACAM5 protein

Catalog Number: ATGP3546

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
35-685aa

UniProt No.
P06731

NCBI Accession No.
NP_004354

Alternative Names
Carcinoembryonic antigen-related cell adhesion molecule 5, CEACAM5, CD66e, CEA, CEA cell adhesion molecule 5

PRODUCT SPECIFICATION

Molecular Weight
72.3 kDa (659aa)

Concentration
0.5mg/ml (determined by BCA assay)

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

Purity
> 95% 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
CEACAM5, as known as carcinoembryonic antigen-related cell adhesion molecule 5, is the large CEACAM subfamily of immunoglobulin superfamily. This protein can mediate cell to cell adhesion through homotypic and heterotypic interactions. It is restricted to the apical face of intestinal epithelial cells in the adult but is more

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diffuse during embryonic development and in tumors. Also, it is upregulated in a wide variety of human tumors and is a commonly used cancer marker. Recombinant human CEACAM5, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

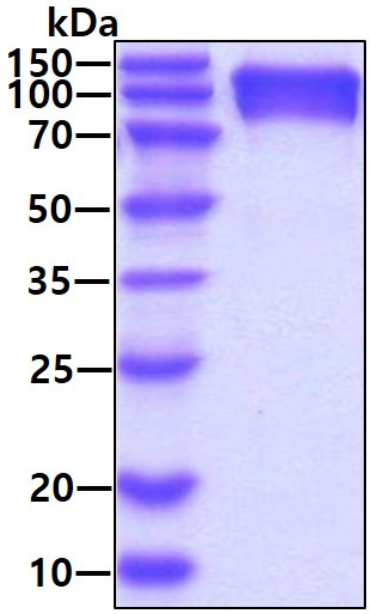
KLTIESTPFN VAEGKEVLLL VHNLPQHLFG YSWYKGERVD GNRQIIGYVI GTQQATPGPA YSGREIIYPN ASLLIQNIIQ NDTGFYTLHV IKSDLVNEEA TGQFRVYPEL PKPSISSNNS KPVEDKDAVA FTCEPETQDA TYLWWVNNQS LPVSPRLQLS NGNRTLTLFN VTRNDTASYK CETQNPVSAR RSDSVILNVL YGPDAPTISP LNTSYRSGEN LNLSCHAASN PPAQYSWFVN GTFQQSTQEL FIPNITVNNS GSYTCQAHNS DTGLNRTTVT TITVYAEPPK PFITSNNSNP VEDEDAVALT CEPEIQNTTY LWWVNNQSLP VSPRLQLSND NRTLTLLSVT RNDVGPYECG IQNKLSVDHS DPVILNVLYG PDDPTISPSY TYYRPGVNLS LSCHAASNPP AQYSWLIDGN IQQHTQELFI SNITEKNSGL YTCQANNSAS GHSRTTVKTI TVSAELPKPS ISSNNSKPVE DKDAVAFTCE PEAQNTTYLW WVNGQSLPVS PRLQLSNGNR TLTLFNVTRN DARAYVCGIQ NSVSANRSDP VTLDVLYGPD TPIISPPDSS YLSGANLNLS CHSASNPSPQ YSWRINGIPQ QHTQVLFIAK ITPNNNGTYA CFVSNLATGR NNSIVKSITV SASGTSPGLS A<LEHHHHHH>

General References

Filiberti R., et al, (2013) Med. Oncol. 30:543.
Jurgensmeier JM., et al, (2013) Br. J. Cancer 108:1316-1323.

DATA

SDS-PAGE



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