Recombinant human CD66d/CEACAM3 protein

Catalog Number: ATGP3613

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
35-155aa

UniProt No.
P40198

NCBI Accession No.
NP_001806

Alternative Names
Carcinoembryonic antigen-related cell adhesion molecule 3 isoform 1, CEACAM3, CD66D, CEA, CGM1, W264, W282, CEA cell adhesion molecule 3

PRODUCT SPECIFICATION

Molecular Weight
14.2 kDa (130aa)

Concentration
1mg/ml (determined by absorbance at 280nm)

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
CEACAM3, also known as carcinoembryonic antigen-related cell adhesion molecule 3 isoform 1, is a granulocyte-specific receptor involved in the opsonin-independent recognition of several bacterial pathogens. Members of CEACAM family are widely expressed especially on human neutrophils, and, depending on the tissue, capable of

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regulating diverse functions including tumor promotion, tumor suppression. Also, it mediates cell adhesion via homophilic as well as heterophilic binding to other proteins of the subgroup. Recombinant human CEACAM3, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

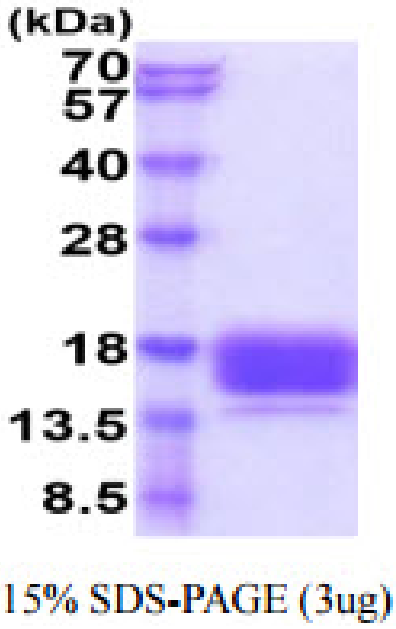
ADPKLTIESM PLSVAEGKEV LLLVHNLPQH LFGYSWYKGE RVDGNSLIVG YVIGTQQATP GAAYSGRETI YTNASLLIQN VTQNDIGFYT LQVIKSDLVN EEATGQFHVY QENAPGLPVG AVAGHHHHHH

General References

Buntru A., et al, (2012) Arch. Biochem. Biophys. 524:77-83.
Kopp K., et al, (2012) J. Biol. Chem. 287:39158-39170.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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