

# Recombinant human CD66d/CEACAM3 protein

Catalog Number: ATGP3613

## PRODUCT INFORMATION

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### 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

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### 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

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### 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

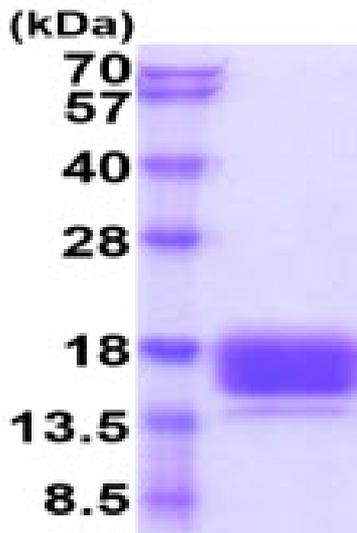
ADPKLTIESM PLSVAEGKEV LLLVHNLPQH LFGYSWYKGE RVDGNSLIVG YVIGTQQATP GAAYSGRETI YTNASLLIQN VTQNDIGFYT LQVIKSDLVN EEATGQFHVY QENAPGLPVG AVAGHHHHHH

## 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



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

### 15% SDS-PAGE (3ug)