

# Recombinant human CD66d/CEACAM3 protein

Catalog Number: ATGP2899

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

35-155aa

### UniProt No.

P40198

### NCBI Accession No.

NP\_001264092

### 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

15.5 kDa (144aa) confirmed by MALDI-TOF

### Concentration

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

### Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 20% glycerol

### Purity

> 95% by SDS-PAGE

### 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

Carcinoembryonic antigen-related cell adhesion molecule 3 isoform 2, also known as CEACAM3, belongs to the immunoglobulin superfamily of genes encode cell adhesion proteins, which are expressed at higher levels in tumorous tissues than in normal tissues. CEACAM3 plays an important role in the clearance of pathogens by the innate immune system. It is responsible for RAC1 stimulation in the course of pathogen phagocytosis.

Recombinant human CEACAM3 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by

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using conventional chromatography techniques.

## Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MGSKLTIESM PLSVAEGKEV LLLVHNLPQH LFGYSWYKGE RVDGNSLIVG YVIGTQQATP  
GAAYSGRETI YTNASLLIQN VTQNDIGFYT LQVIKSDLVN EEATGQFHVY QENAPGLPVG AVAG

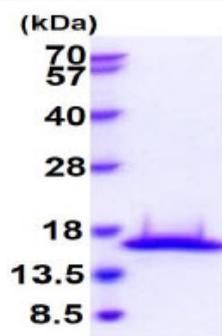
## General References

Barnett T., et al. (1988) Genomics. 3: 59-66.  
Barnett T., et al. (1989) J Cell Biol. 1018: 267-276.

## DATA

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### SDS-PAGE



15% SDS-PAGE (3ug)

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