

# Recombinant Human CEACAM5/CEA/CD66e Protein

Catalog No.: RP01157 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	1048	P06731

### Tags

C-His

### Synonyms

CEACAM5;CD66e;CEA

## Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE; ≥95 % as determined by HPLC.

Calculated MW	Observed MW
72.16 kDa	100-170 kDa

### Endotoxin

< 0.1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

### Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

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✉		cn.market@abclonal.com.cn

## Background

### Basic Information

#### Description

Recombinant Human CEACAM5/CEA/CD66e Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Lys35-Ala685) of human CEACAM-5/CD66e (Accession #NP\_004354.2) fused with a 6×His tag at the C-terminus.

#### Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human CEACAM5 at 5 μg/mL (100 μL/well) can bind Recombinant Human CEACAM8 with a linear range of 0.5-3 μg/mL.

#### Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

#### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

#### Operational Notes

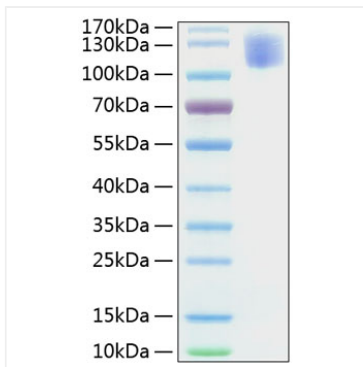
For your safety and health, please wear a lab coat and disposable gloves for handling.



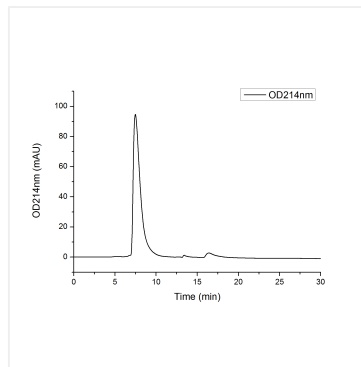
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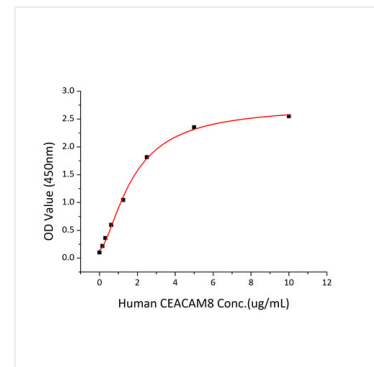
## Validation Data



Recombinant Human CEACAM5/CEA/CD66e Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



The purity of human CEACAM-5/CD66e Protein (Cat.RP01157) was greater than 95% as determined by SEC-HPLC.



Immobilized Recombinant Human CEACAM5 at 5  $\mu\text{g/mL}$  (100 $\mu\text{L}$ /well) can bind Recombinant Human CEACAM8 with a linear range of 0.5-3  $\mu\text{g/mL}$ .