

# Recombinant Human CEACAM8/CD66b Protein

Catalog No.: RP02155 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	1088	P31997

### Tags

C-hFC

### Synonyms

CEACAM8;CD66b;CD67;CGM6;NCA-95

## Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Calculated MW	Observed MW
57.37 kDa	75-100 kDa

### Endotoxin

&lt;0.01 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.4. Contact us for customized product form or formulation.

### Reconstitution

Centrifuge the tube 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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## Background

Carcinoembryonic Antigen-Related Cell Adhesion Molecule 8 (CEACAM8) is a single chain, GPI-anchored, highly glycosylated protein which belongs to the immunoglobulin superfamily and the carcinoembryonic antigen(CEA) family. CEACAM8 is expressed by neutrophils and eosinophils, and serves as a binding partner for CEACAM-6 and Galectin-3. It contains two Ig-like C2-type (immunoglobulin-like) domains and one Ig-like V-type (immunoglobulin-like) domain. Mature human CEACAM8 is a 287 amino acid GPI-linked glycoprotein. CEACAM family members are a set of widely expressed proteins involved in several biological functions, including cell adhesion, migration, signal transduction, and the regulation of gene expression. Abnormal overexpression and downregulation of some CEACAMs have been described in tumor cells.

## Basic Information

### Description

Recombinant Human CEACAM8/CD66b Protein is produced by Mammalian expression system. The target protein is expressed with sequence (Gln35-Ser319) of human CEACAM8 (Accession #P31997) fused with a hFC tag at the C- terminus.

### Bio-Activity

### Storage

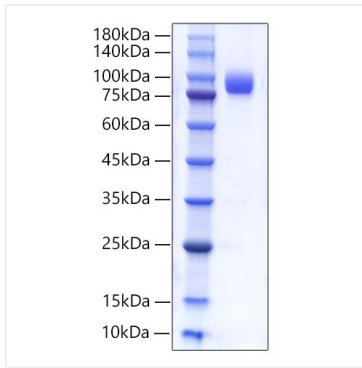
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

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.

## Validation Data

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Recombinant Human CEACAM8/CD66b Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 75-100kDa.