

Datasheet for ABIN7597419

**CEACAM5 Protein (AA 589-685) (Fc Tag)**[Go to Product page](#)

## Overview

Quantity:	10 µg
Target:	CEACAM5
Protein Characteristics:	AA 589-685
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CEACAM5 protein is labelled with Fc Tag.

## Product Details

Purpose:	Recombinant human CEACAM5(589-685) Protein with C-terminal human Fc tag
Sequence:	CEACAM5(Val589-Ala685) hFc(Glu99-Ala330)
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

## Target Details

Target:	CEACAM5
Alternative Name:	CEACAM5 ( <a href="#">CEACAM5 Products</a> )
Background:	<p>CEA, CD66e</p> <p>This gene encodes a cell surface glycoprotein that represents the founding member of the carcinoembryonic antigen (CEA) family of proteins. The encoded protein is used as a clinical biomarker for gastrointestinal cancers and may promote tumor development through its role as</p>

## Target Details

a cell adhesion molecule. Additionally, the encoded protein may regulate differentiation, apoptosis, and cell polarity. This gene is present in a CEA family gene cluster on chromosome 19. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2015]

**Molecular Weight:** predicted molecular mass of 36.3 kDa after removal of the signal peptide. The apparent molecular mass of CEACAM5(589-685)-hFc is 35-55 kDa due to glycosylation.

**UniProt:** [P06731](#)

## Application Details

**Application Notes:** Extracellular Domain Proteins (ECD) can be used as:

- Immunogens for antibody drug development
- Reagents used for CAR-T positive cell monitoring
- Reagents for antibody screening and functional testing
- Reagents for antibody affinity measurement

**Comment:** The protein was made using HEK293 mammalian cell secretion expression system to ensure the close-to-native structures and post-translational modifications of the target protein.

**Restrictions:** For Research Use only

## Handling

**Format:** Lyophilized

**Buffer:** Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization.

**Storage:** -20 °C,-80 °C

**Storage Comment:** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).  
Lyophilized proteins are shipped at ambient temperature.

**Expiry Date:** 12 months