

Datasheet for ABIN7597418

CEACAM5 Protein (AA 496-685) (His tag)[Go to Product page](#)

Overview

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|-------------------------------|--|
| Quantity: | 10 µg |
| Target: | CEACAM5 |
| Protein Characteristics: | AA 496-685 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This CEACAM5 protein is labelled with His tag. |

Product Details

| | |
|-----------|---|
| Purpose: | Recombinant human CEACAM5(496-685) Protein with C-terminal 10xHis tag |
| Sequence: | CEACAM5(Val496-Ala685) 10xHis tag |
| Purity: | The purity of the protein is greater than 85 % as determined by SDS-PAGE and Coomassie blue staining. |

Target Details

| | |
|-------------------|---|
| Target: | CEACAM5 |
| Alternative Name: | CEACAM5 (CEACAM5 Products) |
| 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 21.7 kDa after removal of the signal peptide.

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