# Recombinant Human CEACAM7 protein, His-tagged

**Cat. No.** CEACAM7-8196H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Human CEACAM7 aa. (Lys147~Thr231 (Accession # Q14002)) fused with N-terminal His tag was produced in E. coli cells. |
| **Species** | Human |
| **Source** | E.coli |
| **ProteinLength** | Lys147~Thr231 |
| **Description** | This gene encodes a cell surface glycoprotein and member of the carcinoembryonic antigen (CEA) family of proteins. Expression of this gene may be downregulated in colon and rectal cancer. Additionally, lower expression levels of this gene may be predictive of rectal cancer recurrence. This gene is present in a CEA family gene cluster on chromosome 19. Alternative splicing results in multiple transcript variants. |
| **Form** | Freeze-dried powder |
| **Molecular Mass** | 14kDa as determined by SDS-PAGE reducing conditions. |
| **Endotoxin** | <1.0EU per 1ug (determined by the LAL method) |
| **Purity** | >95% |
| **Characteristic** | The isoelectric point is 6.0. |

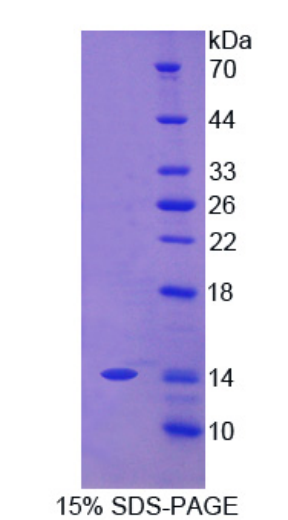
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| **Applications** | SDS-PAGE; WB; ELISA; IP. |
| **Stability** | The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition. |
| **Storage** | Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months. |
| **Storage Buffer** | Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl. |
| **Reconstitution** | Reconstitute in sterile PBS, pH7.2-pH7.4. |

## GENE INFORMATION

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| **Gene Name** | CEACAM7 carcinoembryonic antigen related cell adhesion molecule 7 [ Homo sapiens (human) ] |
| **Official Symbol** | CEACAM7 |
| **Synonyms** | CEACAM7; carcinoembryonic antigen related cell adhesion molecule 7; CGM2; carcinoembryonic antigen CGM2; carcinoembryonic antigen-related cell adhesion molecule 7; carcinoembryonic antigen gene family member 2 |
| **Gene ID** | 1087 |
| **mRNA Refseq** | NM_001291485.1 |

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| **Protein Refseq** | NP_001278414.1 |
| **UniProt ID** | Q14002 |
| **SDS-PAGE** | <br>15% SDS-PAGE |

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