

Recombinant Human CEACAM7 protein, His-tagged

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

SPECIFICATION

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

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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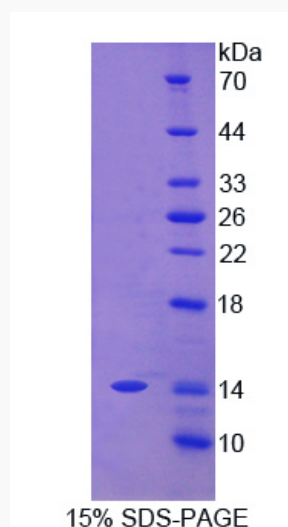
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Protein Refseq NP_001278414.1

UniProt ID Q14002

SDS-PAGE



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