

# Recombinant Human CEACAM5 Protein, DYKDDDDK-tagged

Cat. No. CEACAM5-151H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human CEA cell adhesion molecule 5 (CEACAM5), transcript variant 1(NM_004363), with a DYKDDDDK tag, was expressed in human cells.
<b>Species</b>	Human
<b>Source</b>	Human Cells
<b>Description</b>	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 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.
<b>Form</b>	Purified protein formulated in a sterile solution of TBS buffer, pH7.320, without any preservatives.
<b>Molecular Mass</b>	72.8 kDa
<b>Endotoxin</b>	Endotoxin level is < 0.1 ng/g of protein (<1EU /g)
<b>Purity</b>	>90% by SDS-PAGE gel and Coomassie Blue staining
<b>Applications</b>	Antigens, Western, ELISA and other in vitro binding or in vivo functional assays, and

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protein-protein interaction studies.

## GENE INFORMATION

<b>Gene Name</b>	CEACAM5 carcinoembryonic antigen-related cell adhesion molecule 5 [ Homo sapiens ]
<b>Official Symbol</b>	CEACAM5
<b>Synonyms</b>	CEACAM5; carcinoembryonic antigen-related cell adhesion molecule 5; CEA; CD66e; meconium antigen 100; DKFZp781M2392;
<b>Gene ID</b>	1048
<b>mRNA Refseq</b>	NM_004363
<b>Protein Refseq</b>	NP_004354
<b>MIM</b>	114890
<b>UniProt ID</b>	P06731

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