

CD66c (CEACAM6) Recombinant Protein | CD66 recombinant protein

Human CD66c Recombinant (CEACAM6)

CATALOG #	HOST
AAA76055	HEK293 Cells (Host protein expression may be lot-specific and can be subject to change during production, including bulk orders)

PRODUCT SYNONYMS

CD66c (CEACAM6); Human CD66c Recombinant (CEACAM6); Human CD66c Recombinant (CEACAM6) ; CEACAM6 CD66c CEAL NCA cd66; CD66 recombinant protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells (Host protein expression may be lot-specific and can be subject to change during production, including bulk orders)
Purity/Purification	>95%, as determined by SDS-PAGE and HPLC
Form/Format	Recombinant human CD66c is supplied as a 0.2 um filtered PBS solution, pH7.2.
Sequence Length	702
Domain	Ig-like C2
Host Note	Optimized DNA sequence encoding Human extracellular domain of human CD66c was fused with the C-terminal polyhistidine-tagged at the C-terminus was expressed in HEK293 cells.
Endotoxin	Endotoxin content was assayed using a LAL gel clot method. Endotoxin level was found to be less than 0.1 ng/ug (1EU/ug).
Molecular Weight Note	Recombinant Human CD66c is a monomer protein. The reduced monomer consists of 547 amino acids and has a predicted molecular mass of approx 70kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of CD66c monomer is approximately 160-180 kDa due to glycosylation.
Preparation and Storage	Recombinant CD66c, as supplied, can be stored in working aliquots at 2 degree - 8 degree C for one month, or at -20 degree C to -70 degree C for twelve months. Avoid repeated freeze/thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for CD66 recombinant protein	CEACAM6 (CD66c) and CEACAM8 (CD66b) are cell-adhesion proteins on neutrophils that belong to the human carcinoembryonic antigen (CEA) family. CEACAM6 reveals homophilic adhesion and heterophilic adhesion to other CEACAM family antigens including CEACAM8, CEACAM1, and CEA, whereas CEACAM8 exhibits only heterophilic adhesion to CEACAM6
Product Categories/Family for CD66 recombinant protein	Receptors CD
References	influenza A virus neuraminidase protein enhances cell survival through interaction with carcinoembryonic antigen-related cell adhesion molecule 6 (CEACAM6) protein .J. Biol. Chem., Apr 2012; 287: 15109 - 15117. Significance of CEACAM6 expression in biliary tract carcinoma .ASCO Meeting Abstracts, Feb 2012; 30: 207. Identification of CEACAM6 as an intermediate filament-associated protein expressed in Sertoli cells of rat testis . Biol Reprod, Nov 2011; 85: 924 - 933. Protein expression analysis of Alcam and CEACAM6 in breast cancer metastases reveals significantly increased Alcam expression in metastases of the skin .J. Clin. Pathol., Feb 2011; 64: 146 - 152. Design and activity of a murine and humanized anti-CEACAM6 single-chain variable fragment in the treatment of pancreatic cancer .Cancer Res., Mar 2009; 69: 1933 - 1940.

NCBI AND UNIPROT INFORMATION

NCBI GI #	98986445
NCBI GeneID	1048
NCBI Accession #	NP_004354.2
NCBI GenBank Nucleotide #	NM_004363.2
UniProt Accession #	P06731; P78448; Q13984; Q53G30; Q68DM9; Q7KZ28; Q8N4D0
Molecular Weight	76,795 Da
NCBI Official Full Name	carcinoembryonic antigen-related cell adhesion molecule 5 preproprotein
UniProt Protein Name	Carcinoembryonic antigen-related cell adhesion molecule 5
UniProt Gene Name	CEACAM5
UniProt Synonym Gene Names	CEA; CEA
UniProt Entry Name	CEAM5_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/ceacam5-recombinant-protein-hek293-cells/76055>