CEACAM-5/CD66e Active Protein

PRODUCT OVERVIEW

Product Name	CEACAM-5/CD66e, Active Protein
Full Product Name	Recombinant human CEACAM-5/CD66e Protein
Product Gene Name	CEACAM-5/CD66e active protein
Product Synonym Names	CEACAM5; CD66e; CEA; Meconium antigen 100
Host	HEK293 cells
Form/Format	Lyophilized from a 0.22um filtered solution of PBS, pH7.4.
Purity/Purification	>95% by SDS-PAGE.
Preparation and Storage	Store the lyophilized protein at -20 degree C to -80 degree C for long term. After reconstitution, the protein solution is stable at -20 degree C for 3 months, at 2-8 degree C for up to 1 week.
Molecular Weight	77kDa
Chromosome Location	Chromosome: 19; NC_000019.9 (42212530..42234437). Location: 19q13.1-q13.2
OMIM	114890
3D Structure	ModBase 3D Structure for P06731
Active Protein Note	Protein activity can be an ambiguous term. Please refer to the data sheet or inquire with Technical Support to determine the definition of activity for this product.
Species	Human
Endotoxin	<0.1EU/ug of the protein by LAL method.
Tag	C-6xHis
Reconstitution	Reconstitute to a concentration of 0.1-0.5mg/mL in sterile distilled water.
Product Categories/Family for CEACAM-5/CD66e active protein	Bio-Markers & CD Antigens
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for CEACAM-5/CD66e active protein	Recombinant human CEACAM-5/CD66e Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Lys35-Ala685) of human CEACAM-5/CD66e (Accession #NP_004354.2) fused with a 6×His tag at the C-terminus.
Other Notes	Small volumes of CEACAM-5/CD66e active protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CEACAM-5/CD66e purchase	MBS9144064 is an active protein targeting CEACAM-5/CD66e. Also known as Recombinant human CEACAM-5/CD66e Protein. Host: HEK293 cells.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CEACAM-5/CD66e. It may not necessarily be applicable to this product.

NCBI GI #	98986445
NCBI GeneID	1048

NCBI Accession #	NP_004354.2
UniProt Primary Accession #	P06731
UniProt Related Accession #	P06731
GenBank Nucleotide #	NM_004363.2
NCBI Official Full Name	carcinoembryonic antigen-related cell adhesion molecule 5 preproprotein
NCBI Official Synonym Full Names	carcinoembryonic antigen-related cell adhesion molecule 5
NCBI Official Symbol	CEACAM5
NCBI Official Synonym Symbols	CEA; CD66e
UniProt Protein Name	Carcinoembryonic antigen-related cell adhesion molecule 5
UniProt Synonym Protein Names	Carcinoembryonic antigen; CEA; Meconium antigen 100
UniProt Gene Name	CEACAM5
UniProt Synonym Gene Names	CEA; CEA
UniProt Entry Name	CEAM5_HUMAN
NCBI Protein Information	carcinoembryonic antigen-related cell adhesion molecule 5; meconium antigen 100
UniProt Comments for CEACAM-5/CD66e	CEACAM5: Cell surface glycoprotein that plays a role in cell adhesion and in intracellular signaling. Receptor for E.coli Dr adhesins. Homodimer. Binding of E.coli Dr adhesins leads to dissociation of the homodimer. Found in adenocarcinomas of endodermally derived digestive system epithelium and fetal colon. Belongs to the immunoglobulin superfamily. CEA family. Protein type: Membrane protein, integral; Immunoglobulin superfamily; Membrane protein, GPI anchor Chromosomal Location of Human Ortholog: 19q13.1-q13.2 Cellular Component: basolateral plasma membrane; integral to plasma membrane Molecular Function: identical protein binding; protein homodimerization activity Biological Process: homotypic cell-cell adhesion; negative regulation of apoptosis
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