CEACAM5 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P78756
Synonyms:	CEACAM-5; CD66e; CEA; Meconium antigen 100
Species:	Mouse
Source:	HEK293
Accession:	Q3UKK2-1 (Q35-E947)
Gene ID:	73250
Molecular Weight:	100-120 kDa

PROPERTIES

AA Sequence

QITIELEPPQ VIEGENVLIR VNNLTENLIT LAWFRGMRIK
SPQIGQYTPA TKVTVLGPGH SGRETLYSNG SLQIYNVTQE
DIGFYSLRII NKHAEIVSIT SIYLNVYSSL WTCEHPSPHA
KLTIESVPPG ISEGGSVLLL VKNLPQNLLS LFWYKGVIAV
KKFEIARHIK ATNSSVPGPA HTGRETVFSN GSLLLQEVMQ
SDTGFYTLRT MSTDLKDEVA HVQLYMDTYL LTCYHPLQVK
IESLPQNVAV GKTVLLLVHN LPEDFQAFFW YKSAYRRDTY
KIAEYKRAMD ATILGSAYSS REFIYNNGSM LIIDVTEDDA
GYFLLEILRE DLKIEKAYIQ LHVNSFVSNS KDSASTARLS
IESVPPSIVE GGSVLLLVHN LPKNLQSLFW YKGMIAEKKS
ELIQHIIATS SSLPGPAHSG RETVYNNGSL LLQRVMQNDT
QFYTLQTMDT DLKYEVAHVQ LQLDTSLSTW YHPLQVKIES
LPRNVAVGKS VLFLVHNFPE VFRAFSWYKP AYKSHTSKIV
EYHRFTDSAT VGAAYRGIEV IFTNGSMVMI DVTEDDAGFY
MLEILREDFK VEKAYVQLHV NSFVPNSKVS VSTARLSIES
VPPSIVGGES VLLLVHNLPK NLQSLFWYKG VIAEEKSELI
QHIIATSSSL PGPAHSGRET VYSNGSLLLQ RVMQNDTGFY
TLLTMSTDLK DEIAHVQLQL DTSTCCSLLT SDQLIIVPVP
RNIAVGKSVL LLVCNVPKDV QTIFWYKSVY RTDIFKIAEY
SRSMESTIWG LAHSGKEMVY TNGSLLIQNV TEHDAGLYML
EILHKDYKLE RAHVQVHVNN PVSWPFVRVT DTTVRVQSSV
VFTCFSADPG VSIRWLFNKQ SLQLTERMTL SPSKCQLSID
PVWREDAGKY QCEVSNPVSS KSSLPVRLAV IEE

Biological Activity	Data is not available.
Appearance	Lyophilized powder
Formulation	Lyophilized a 0.22 μm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4 or PBS, 6% Trehalose, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.

Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The CEACAM5 protein, a cell surface glycoprotein, assumes a pivotal role in cell adhesion, intracellular signaling, and tumor progression. It facilitates both homophilic and heterophilic cell adhesion, engaging with other carcinoembryonic antigen-related cell adhesion molecules, notably CEACAM6. Functioning as an oncogene, CEACAM5 contributes to tumor progression by inducing resistance to anoikis in colorectal carcinoma cells. This glycoprotein forms homodimers, emphasizing its role as a multifaceted regulator in cellular interactions and signaling pathways, particularly influencing processes associated with cancer development and progression.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA