Recombinant Human CEACAM5 protein, His-tagged

Cat. No. CEACAM5-27800TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CEACAM5(35-685aa) fused with His tag at C-terminal was expressed in Insect cells.
Species	Human
Source	Insect cells
ProteinLength	35-685 a.a.
Description	CEACAM5, as known as carcinoembryonic antigen-related cell adhesion molecule 5, is the large CEACAM subfamily of immunoglobulin superfamily. This protein can mediate cell to cell adhesion through homotypic and heterotypic interactions. It is restricted to the apical face of intestinal epithelial cells in the adult but is more diffuse during embryonic development and in tumors. Also, it is upregulated in a wide variety of human tumors and is a commonly used cancer marker.
Predicted N Terminal	Lys35
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Molecular Mass	72.3kDa (659aa) 70-150kDa (SDS-PAGE under reducing conditions.)
AA Sequence	KLTIESTPFN VAEGKEVLLL VHNLPQHLFG YSWYKGERVD GNRQIIGYVI GTQQATPGPA YSGREIIYPN ASLLIQNIIQ NDTGFYTLHVIKSDLVNEEA TGQFRVYPEL PKPSISSNNS KPVEDKDAVA FTCEPETQDA TYLWWVNNQS

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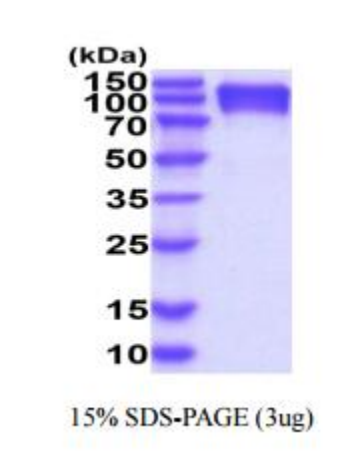
	LPVSPRLQLS NGNRTLTLFN VTRNDTASYKCETQNPVSAR RSDSVILNVL YGPDAPTISP LNTSYRSGEN LNLSCHAASN PPAQYSWFVN GTFQQSTQEL FIPNITVNNS GSYTCQAHNSDTGLNRTTVT TITVYAEPPK PFITSNNSNP VEDEDAVALT CEPEIQNTTY LWWVNNQSLP VSPRLQLSND NRTLTLLSVT RNDVGPYECG IQNKLSVDHS DPVILNVLYG PDDPTISPSY TYYRPGVNLS LSCHAASNPP AQYSWLIDGN IQQHTQELFI SNITEKNSGL YTCQANNSASGHSRTTVKTI TVSAELPKPS ISSNNSKPVE DKDAVAFTCE PEAQNTTYLW WVNGQSLPVS PRLQLSNGNR TLTLFNVTRN DARAYVCGIQNSVSANRSDP VTLDVLYGPD TPIISPPDSS YLSGANLNLS CHSASNPSPQ YSWRINGIPQ QHTQVLFIAK ITPNNNGTYA CFVSNLATGRNNSIVKSITV SASGTSPGLS ALEHHHHHH
Endotoxin	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Purity	> 95% by SDS - PAGE
Storage	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.5mg/ml (determined by BCA assay)

GENE INFORMATION

Gene Name	CEACAM5 carcinoembryonic antigen-related cell adhesion molecule 5 [Homo sapiens]
Official Symbol	CEACAM5
Synonyms	CEACAM5; carcinoembryonic antigen-related cell adhesion molecule 5; CEA; CD66e; meconium antigen 100; DKFZp781M2392;

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Gene ID	1048
mRNA Refseq	NM_004363
Protein Refseq	NP_004354
MIM	114890
UniProt ID	P06731



15% SDS-PAGE (3ug)

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