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Product datasheet for SC337246

CEACAM5 (NM_001291484) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CEACAM5 (NM_001291484) Human Untagged Clone
Tag:	Tag Free
Symbol:	CEACAM5
Synonyms:	CD66e; CEA
Vector:	pCMV6 series

View online »

Fully Sequenced ORF: >NCBI ORF sequence for NM_001291484, the custom clone sequence may differ by one or more nucleotides

ATGGAGTCTCCCTCGGCCCCTCCCCACAGATGGTGCATCCCCTGGCAGAGGCTCCTGCTCACAGCCTCAC
TTCTAACCTTCTGGAACCCGCCCACCACTGCCAAGCTCACTATTGAATCCACGCCGTTCAATGTCGCAGA
GGGGAAGGAGGTGCTTCTACTTGTCCACAATCTGCCCCAGCATCTTTTTGGCTACAGCTGGTACAAAGGT
GAAAGAGTGGATGGCAACCGTCAAATTATAGGATATGTAATAGGAACTCAACAAGCTACCCCAGGGCCCG
CATACAGTGGTCGAGAGATAATATACCCCAATGCATCCCTGCTGATCCAGAACATCATCCAGAATGACAC
AGGATTCTACACCCTACACGTCATAAAGTCAGATCTTGTGAATGAAGAAGCAACTGGCCAGTTCCGGGTA
TACCCGGAGCTGCCCAAGCCCTCCATCTCCAGCAACAACTCCAAACCCGTGGAGGACAAGGATGCTGTGG
CCTTCACCTGTGAACCTGAGACTCAGGACGCAACCTACCTGTGGTGGGTAAACAATCAGAGCCTCCCGGT
CAGTCCCAGGCTGCAGCTGTCCAATGGCAACAGGACCCTCACTCTATTCAATGTCACAAGAAATGACACA
GCAAGCTACAAATGTGAAACCCAGAACCCAGTGAGTGCCAGGCGCAGTGATTCAGTCATCCTGAATGTCC
TCTATGGCCCGGATGCCCCCACCATTTCCCCTCTAAACACATCTTACAGATCAGGGGAAAATCTGAACCT
CTCCTGCCACGCAGCCTCTAACCCACCTGCACAGTACTCTTGGTTTGTCAATGGGACTTTCCAGCAATCC
ACCCAAGAGCTCTTTATCCCCAACATCACTGTGAATAATAGTGGATCCTATACGTGCCAAGCCCATAACT
CAGACACTGGCCTCAATAGGACCACAGTCACGACGATCACAGTCTATGCAGAGCCACCCAAACCCTTCAT
CACCAGCAACAACTCCAACCCCGTGGAGGATGAGGATGCTGTAGCCTTAACCTGTGAACCTGAGATTCAG
AACACAACCTACCTGTGGTGGGTAAATAATCAGAGCCTCCCGGTCAGTCCCAGGCTGCAGCTGTCCAATG
ACAACAGGACCCTCACTCTACTCAGTGTCACAAGGAATGATGTAGGACCCTATGAGTGTGGAATCCAGAA
CGAATTAAGTGTTGACCACAGCGACCCAGTCATCCTGAATGTCCTCTATGGCCCAGACGACCCCACCATT
TCCCCCTCATACACCTATTACCGTCCAGGGGTGAACCTCAGCCTCTCCTGCCATGCAGCCTCTAACCCAC
CTGCACAGTATTCTTGGCTGATTGATGGGAACATCCAGCAACACACACAAGAGCTCTTTATCTCCAACAT
CACTGAGAAGAACAGCGGACTCTATACCTGCCAGGCCAATAACTCAGCCAGTGGCCACAGCAGGACTACA
GTCAAGACAATCACAGTCTCTGCGGAGCTGCCCAAGCCCTCCATCTCCAGCAACAACTCCAAACCCGTGG
AGGACAAGGATGCTGTGGCCTTCACCTGTGAACCTGAGGCTCAGAACACAACCTACCTGTGGTGGGTAAA
TGGTCAGAGCCTCCCAGTCAGTCCCAGGCTGCAGCTGTCCAATGGCAACAGGACCCTCACTCTATTCAAT
GTCACAAGAAATGACGCAAGAGCCTATGTATGTGGAATCCAGAACTCAGTGAGTGCAAACCGCAGTGACC
CAGTCACCCTGGATGTCCTCTATGGGCCGGACACCCCCATCATTTCCCCCCCAGACTCGTCTTACCTTTC
GGGAGCGAACCTCAACCTCTCCTGCCACTCGGCCTCTAACCCATCCCCGCAGTATTCTTGGCGTATCAAT
GGGATACCGCAGCAACACACACAAGTTCTCTTTATCGCCAAAATCACGCCAAATAATAACGGGACCTATG
CCTGTTTTGTCTCTAACTTGGCTACTGGCCGCAATAATTCCATAGTCAAGAGCATCACAGTCTCTGCATC
TGGAACTTCTCCTGGTCTCTCAGCTGGGGCCACTGTCGGCATCATGATTGGAGTGCTGGTTGGGGTTGCT
CTGATATAG

Restriction Sites: SgfI-MluI

ACCN: NM_001291484

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001291484.2, NP_001278413.1
RefSeq Size:	3516 bp
RefSeq ORF:	2109 bp
Locus ID:	1048
UniProt ID:	P06731
Cytogenetics:	19q13.2
Gene Summary:	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. [provided by RefSeq, Jul 2015] Transcript Variant: This variant (2) uses an alternate splice site in the 3' UTR compared to variant 1. Both variants 1 and 2 encode isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.