

## Product datasheet for **MC222790**

### Ceacam5 (NM\_028480) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ceacam5 (NM_028480) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ceacam5
Synonyms:	1600029H12Rik; Psg30
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:**

>MC222790 representing NM\_028480  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGAAGCATCCTCTGCTTCCATGCAAGTGGTGTACCCACTTGCAGGGGCTTCTGCTCACAGCCTCCT  
 TTTTAACCTGCTGTCACCTGCCTACCCTGCACAAATAACCATTGAATTAGAGCCACCCCAAGTATTGA  
 AGGAGAAAATGTTCTCATACGTGTCAACAATTTGACAGAGAATCTATAACCTTAGCCTGGTTCAGAGGA  
 ATGAGGATTAAGAGCCCTCAAATGGACAATATACACCGCCACTAAAGTACTGTGCTGGGTCCTGGTC  
 ACAGTGGTAGAGAACTTTGTACAGCAATGGATCCCTGCAGATCTACAATGTCACCCAGGAGGACATAGG  
 ATTCTACAGCCTACGAATCATAAATAAACATGCAGAAATTTGTGCAATAACATCCATATACCTCAACGTG  
 TACTCATCTCTATGGACATGTGAGCACCTTCTCCCCATGCCAAGCTCACCATTGAATCAGTGCCACCCG  
 GCATTTCTGAAGGGGAAGTGTCTTCTACTGGTTAAAAATCTCCCCAAAATCTTCTATCCCTTTTCTG  
 GTACAAAGGAGTTATTGCAGTGAAGAAATTTGAGATTGCCAGACACATAAAAGCCACAAATCAAGTGT  
 CCAGGGCCTGCACACACTGGTCTGAGACAGTATTCAGCAATGGATCCCTTCTGCTACAGGAAGTTATGC  
 AGAGTGATACTGGATTCTATACTCTACGAACTATGAGTACAGATCTGAAAGATGAAGTAGACATGTGCA  
 GCTGTACATGGACACCTATCTTTGACTTGTATCACCTTTGCAAGTCAAGATCGAATCACTTCCCTCAG  
 AATGTTGCTGTAGGAAAAGTGTCTTCTTAGTTTCATAATTTGCTGAAGACTTTCAAGCATTTTTCT  
 GGTACAAATCAGCATATAGAAGAGATACATAAAAATTCAGAAATACAAGAGAGCCATGGATGCCACCAT  
 TTTGGGGAGTGCATACAGTTCAAGAGAGTTTATACAACAACGGATCCATGCTAATAATTGATGCACT  
 GAGGATGATGCAGGATTTTCTGCTAGAAATTTAAGAGAAGACTTAAAGATTGAAAAAGCCTACATTC  
 AACTCCATGTAATAGCTTTGTTTCAAACCTCAAGGACTCTGCCTCCACTGCAAGGCTCAGTATAGATC  
 AGTGCCACCGAGCATTGTTGAAGGGGAAGTGTCTTTTACTGGTTCACAATCTCCCAAAAAATCTTCAA  
 TCCTTTTCTGGTACAAAGGGATGATTGCAGAGAAGAAATCTGAGCTCATACAACACATAATAGCCACAA  
 GTTCAAGCTTGCCAGGGCCTGCACACAGTGGTCGAGAAACAGTATACAACAATGGATCCCTGCTGTCCA  
 GAGGGTACGAAAATGATACTCAATTTTATACTCTACAACTATGGATACAGATCTGAAATATGAAGTA  
 GCACATGTTCAACTCCAGCTGGACACTTCCCTTCTACTTGGTATCACCTTTGCAAGTCAAGATCGAAT  
 CACTTCTCGGAATGTTGCTGTAGGAAAAGTGTCTTTTCTGGTTCATAATTTCCAGAAGTCTTTTCG  
 AGCATTCTCTGGTATAAACCAGCGTATAAGTACATACATCCAAAATTTGAGAATACCACAGATTCACG  
 GATTCTGCCACCGTGGGGCTGCATACAGAGGAATAGAGGTGATATTCACCAACGGATCCATGGTGTGTA  
 TTGATGCACTGAGGATGATGCAGGGTTTTACATGCTAGAAATTTAAGAGAAGACTTCAAAGTTGAAAA  
 AGCCTATGTTCAACTCCATGTAATAGCTTTGTTCCAACTCAAAGGTCTCTGTCTCCACTGCAAGGCTC  
 AGTATAGAATCAGTGCCCCCAGCATTGTTGGAGGGGAAAGTGTCTTCTACTGGTTCACAATCTTCCAA  
 AAAATCTTCAATCTTTTCTGGTACAAAGGCGTATTGCCGAGGAGAAATCTGAGCTCATCCAACACAT  
 AATAGCCACAAGTTCAAGCTTGCCAGGGCCTGCACACAGTGGTCGAGAAACAGTGTACAGCAATGGATCC  
 CTGCTGCTCCAGAGGTCATGCAGAAATGATACTGGATTCTATACTCTACTAATACTATGAGTACAGATCTGA  
 AAGATGAAATAGCACATGTGCAACTCCAGCTGGACACCTCTACTTGTGTAGCCTTCTCACCTTGACCA  
 ACTCATAATTGTACCAGTGCCTCGGAATATTGCTGTAGGGAAAAGTGTCTTCTCCTTGTTCATGTTG  
 CCAAAGGATGTTACAGCAATTTTCTGGTACAAATCGGTGTATCGAACAGATATTTTTAAATTTGAGAAT  
 ATAGCAGATCCATGGAATCTACTATCTGGGGCTTGCACACAGTGGAAAAGAGATGGTGTACACTAATGG  
 ATCCCTTCTGATCCAGAAATGCTACTGAGCATGATGCAGGATTGTACATGTTAGAAATTTTACATAAGGAC  
 TACAAACTTGAGAGAGCACATGTGCAAGTCCATGTAATAAACCTGTTTCATGGCCTTTTGTGCGAGTGA  
 CTGACACCACAGTACAGATACAGAGCTCAGTAGTCTTCACTTGTCTCAGCTGACCCTGGTGTCTCCAT  
 CCGTTGGCTCTTCAATAAGCAGAGTCTGCAGCTCACAGAGAGAATGACACTTTCCCATCAAAGTGCCAA  
 CTCAGCATAGATCTGTCTGGAGGGAGGATGCTGGAAAGTATCAATGTGAGGTCTCCAACCCAGTCAAGT  
 CAAAGTCCAGTCTCCAGTCCGCTGGCTGTGATAGAAGAG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

Sgfl-MluI

<b>ACCN:</b>	NM_028480
<b>Insert Size:</b>	2844 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_028480.2</a> , <a href="#">NP_082756.1</a>
<b>RefSeq Size:</b>	3248 bp
<b>RefSeq ORF:</b>	2844 bp
<b>Locus ID:</b>	73250
<b>UniProt ID:</b>	<a href="#">Q3UKK2</a>
<b>Cytogenetics:</b>	7 A2
<b>Gene Summary:</b>	Cell surface glycoprotein that plays a role in cell adhesion, intracellular signaling and tumor progression. Mediates homophilic and heterophilic cell adhesion with other carcinoembryonic antigen-related cell adhesion molecules, such as CEACAM6. Plays a role as an oncogene by promoting tumor progression; induces resistance to anoikis of colorectal carcinoma cells.[UniProtKB/Swiss-Prot Function]