

Product datasheet for **RN202395**

Cgm4 (NM_012525) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cgm4 (NM_012525) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cgm4
Synonyms:	Cea; CEA4; CEA5; Cear; CGM4AA; Psg16
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN202395 representing NM_012525
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGACAGTGAGAAGACAGATGGAGGCATCCTCTGTGTTTCCCTTCAAGGGGTGTACCCCTGCCAAGGGT
 TCCTCCTCACAGCCTCCCTTCTAACCTGTTGGCTCCTGACTACTGCCAGGTCAACATTGAATCGGTGCC
 ATTCAATGTGGTTGAAGGGGAAAACGTCCTTCTTCTGTCCACAATCTGCCAGAGAATCTCATAGCCTTT
 GCCTGGTATAGAGGGCTGAGGAAAATTGGAGTATACATACTGAACACTGAAGTAAGTGTACGGGGCCAA
 TGTACAGCGGTAGAGAGACAGTGTACAGCAATGGTTCCCTGTGTATCCGCAATGTACCCAGAAGGACAC
 AGGATTCTACACTCTACGAACAGTCAACACACGTGGAGAACTGTATCAACAACATCCTGTACCTCTAT
 GTGTACACCTCTCTTTTCATCTGTGGGCGTCCTTTAACCTGCCAAGCTCACTATTGAATCAGTGCCGC
 CCAGTGTGCTGAAGGGGAAGCGTTCTTCTCCTCGTTCACAATCTCCAGGACGAGCTTCGAGGGTTTTT
 CTGGTACAAAGGGGCGTCTATGTCTAGCAACCATGAGATAGCCGATACAGAACAGCAAAGAATTCAAGT
 GTGCCAGGCCCTGCCACAGTGGTAGAGAGACGGGTGTACAGCAATGGATCCCTCCTGCTCCAGAATGTCA
 CCCGGAATGACACTGGGTCTACACCCTACGACTCTGAAAAGACATCAGAAAATGGAATTGGCACACGT
 GCAACTTCAGGTGGACACCTCCCTTTCTCATGCTGTGACCCTCTCACCTCTGCCCAACTCACGATAGAT
 CCAGTGCCACGGCATGCGGCTGAAGGGGAAAGCGTCTTCTCCGTGTTCTTAATCTGCCAGAAGACTTTC
 AAGTTTTTGTGGTACAGAGGGGTATCTACCTTCCAGGTCTTTAAATTCGAGAATATAGCAGAGCCAG
 GAATTCATCACCAAGGGGCTGCAGAAAGCAGAACAGAGAGAGTGTACACCAACGGATCCCTGTGCTC
 CAGGACGTCACTGAGAAAGACACGGGCTTGTACACTCTACAAATGATAGACAGTAGTTTCAACATTGAAA
 CAGCACCTGTCCAAATCACCGTGCACAAGCCTGTGACACAGCCTTCTGAGAGTCACGGAGAGCACAGT
 GACAGTACAGAGCGCAGTGGTCTTCACTTGTCTCGGACAACACTGGGATCTCCATCCGTGGCTCTTC
 AAGAATCATTATCTGCAGCCACAGAGAGGATCACACTGTCCCATCTAAGTGCCAACTCCACATAAATC
 CTGTCCAGGAAGGAGGATGCTGGAGAGTATCGATGTGAGGTCTTCAACCCAGTCAGCTCAAAGACCACTCT
 CCCAGTCAGTCTGGTTGTGAGGAATGAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_012525
- Insert Size:** 1431 bp
- 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_012525.1, NP_036657.1
RefSeq Size: 2290 bp
RefSeq ORF: 1431 bp
Locus ID: 24257
Cytogenetics: 1q21
Gene Summary: placental protein belonging to the carcinoembryonic antigen gene family [RGD, Feb 2006]