

Product datasheet for **RN204765**

Ca5a (NM_019293) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ca5a (NM_019293) Rat Untagged Clone
Tag: Tag Free
Symbol: Ca5a
Synonyms: Ca5; Car5a
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN204765 representing NM_019293
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCTCAGAGCCAAGATGCTCGGGAGAGGCCCTACAAGCCCTTAGCCATCCTCAGGCACATGGGACCTC
TCTGTGCCACAAGGCCACAGCACTGGCGCTTCCAGCATTCTACGCAGAGAAACACAGCAACTGTGCCCG
GCACCCTCTGGACTGGCCAGTGTCTCACCAGGAGGCACCCAGCAGTCTCCATTAATCCAGTGG
ACGGATAGTGTCTATGACCCGAAGCTGGCACCGCTCAGGGTCTCCTATGATGCTGCGTCTGCAGATACC
TCTGGAACACTGGTTACTTCTCCAGGTGGAGTTTGACGATTCCTGTGAGGAGTCAGGGATCAGTGGTGG
GCCTCTGGGAAACCACTACAGGCTGAAGCAGTTTCACTTCCACTGGGAGCAACAGATGAATGGGCTCT
GAGCACATGGTGGACGGCCATGCCTACCCGGCTGAGCTCCATTTGGTTCCTGGAATCCATGAAATATG
AAAATTACAAGAAAGCCACCACGGGGGAGAATGGACTGGCGGTGATTGGAGTGTCTGAAGCTCGGGC
CCATCACGAGGCCCTGCAGAGGCTGGTGGACATCTGCCGGAAGTAAGACACAAGGACACACAGGTGACC
ATGGGGCCCTTTGACCTTCTTGCTGCTGCCTGCCTGCCGGGATTACTGGACCTACCCTGGCTCCCTCA
CCACCCACCCTGGCTGAGTCAGTCAGTACCTGGATTGTGCACAAGATGCCCATTTGAGGTGTCCCGAGCCA
GCTGTCCACATTCCGTACTACTTGTCTCCGGCGAGGTGAGGACGAGGAGGTGATGGTGAACAACCTTC
CGCCCGCTCCAACCACTCAGGGCCGCAACGTTGCTCCTCCTTCCAGGTCCCAGGGTGGGAACAAAGT
CT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_019293
Insert Size: 915 bp



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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:	<ol style="list-style-type: none">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_019293.3 , NP_062166.1
RefSeq Size:	1260 bp
RefSeq ORF:	915 bp
Locus ID:	54233
UniProt ID:	P43165
Cytogenetics:	19q12
Gene Summary:	mitochondrial protein that may be involved in gluconeogenesis and ureagenesis [RGD, Feb 2006]