

Product datasheet for **RN217220**

Cass4 (NM_001191744) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cass4 (NM_001191744) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cass4
Synonyms:	RGD1310643
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN217220 representing NM_001191744
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGAGGCCACCGGCATCAGAGAGGGTGGCGACTAAGACCTGCTGGCCAGGGCGCTTTATGACAACCATC
 CGGATTGCTCCGACGAGCTTGCTTCTCCAGAGGGGATATCCTGACCATCGTGGAACAAAATGTGCCAGA
 GAGCGAGGGCTGGTGAAGTGTCTGCTCCACGGGAGGCAAGGCCTGGCTCCCGCCAAACCGCTCCAAGTC
 CTCAGAGAGACCCCTGTAGACAGACCCTGTCCCCTGCCCCGAGAGGCCTGGACTCAGATCTCACTGGCT
 CTGAGGGCGCTTGCCAGGTGTTCAACTCGTTCCTCCCGCCAAACCCGGTCCCCTGTATGAACCGATGAA
 GAGCTGGTGGAGGGGCCGTACCAGCTACTGCACAAGTCTACGAAGTGCCTGACTCACCTTCCAGTGCC
 AGGATCATCTGCGAGAAGACTCTGAAGTCCCAAGCAGGCCCTTTTGTGCTCCAGACCGACGAGGG
 CCTCACTGCCGACGCTTCTTCTCAGGTGTATGACGTACCTGTCAGAGGCAAGTCTCCTCGACCCTTGA
 GAGGCCAGAGAAGCAGCAGTTCTATGACATACCCACCAGCTCCAGAAGGCTGTGTTCCACATCTCCACC
 AGCCAGGGTCCGGGTGTTACATTGGCACCCACAACGGCCTTCAGACAAGTGGTGGCTATAACCCATTAT
 CCAGCCCTCAGAAATCAGATTGGATTATGACACTCCAGTGTGCTGGGAAAGGCTGATGTCAGAAATGC
 ATCTATGACCAGCTTACCAAAGAGTATGCTCCAACACCATCCCAGGCTCCTCTGTTGTCGCGATTGGA
 GCTGTGACCCTCTCCCCACAGCTGGGAAACGCCGTGCAGAAGAAAAGCAGCCCCCGGAAGAAAATTCGT
 ATGCCTTTCTGACCCCCAGGGGGACTCACTTCTTCTGATGCAGGCAGCAGCTACAAGTCCCTCCAG
 GTTCTCATTCCAGAGTGGAGCGACAGAACACCAAACCTAACATTTATGACACCCTAAAGCCATGCAG
 GGTGTGTTTCCAGAATACTTCAAAGCCACACAAGGGGTGTCTCTGGCAGGAAAGGAGCTGGAGAGAGGCA
 GAGAGGCTCCAGAGAATCCCCCTGGGTCTCCAGACAGACAAATTTCTGTCTCCCGACTCGGATCGATT
 ATCTGTTGCCAGCTCAGACAGCAGGGCTAGTGTGGTATCTTCATGCTCCTCCCTATCCACGGACTCCTCC
 CCTGGCTCCTCCTCAGAGGACTCCGTGAAGGAGCTGTGGATGGACTTGGACTTTGCAAAAGACAGCGG
 TGGCTCTGCAAGCAGAGTGGCCAGCTCAGTGGCGGGCCTGCTGCTCTTTGTAAGCAGGACCTGGAGGTT
 CAAAGACTCCTTGAAACCAACGTCAACAGAATCCGAGGGGCCGCTGACCGCGTAGAGGAATCCTTGAGA
 GAATTTCTGGATTTTGCCCAAGGTGTGGTGGGTTGGCCTGCAATCTCACAGACAGCTACCTTCAGGCTA
 GAGTTAGAGATCAGCTCCAGACGATCTAGTCTCCTACCAGACGCTGCTGGATGCTAAGGGGACCCTGGA
 CCGCTGCAATTTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT
 TTTGTGACAGTTGCGCGGTAGTTCGGAGGACGTGAAGAGGTTACCTCCATCGTGGTGGTGGTGGTGGT
 AGCTCCTTTTTAAACAGAACTGTGAGAGAGGAGAGGTGGACTGGAGGTGTGAAAGATGCATCCAGCCTCC
 CCAAAGAGAAGCTGAGTCCCACCAGAGCGCAGCAGCCCTTCCACAAACAGCCAGCAGCTGAGCACTCC
 CTTGAGCTGGCGAAGAAAAGCAGAGGGGATGTCTGTGGGCAGAAGTACCTAACCTACAAAAGAAAAGGAA
 AGAACACCATGGAAGGAAAGTCAAATGAAAACCAAGACTTCTGTGGCAGCAGTCTACCCCTCTTCTTCT
 TCCTTCTCCAGTGGCAGAACGTGGAGAGGAAGATCCGCTGTCTGAGCACAGCAGGCTCTATTTGCGA
 GCACTCTTCAAAGCCATCGGTGTCTTGGCAGTAGCCTCAGCAACAGCCAGCCCTGAGGTCTTTCATCA
 CTCAGAGCAAGCTGGCCATCAGATCGGGCAGAAGCTGGTGGACACGCTGTGCAGCGAGACCCAGGAGAG
 AGATGAACGCAATGAGATCCTGTGTGGAAGCAGTCACCTGTGCGGACTGCTCAAGGACCTGGCGCTGGCC
 ACCAAGAATGCTGTGATCCAGTACCCTAGCCCGAGTGGCCTGGGCTCCTCCAGTCAGAGCTGGAGAAAC
 TAGAGTACCCTCCCGAAATTCAGAGGCACACTGGAATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001191744
Insert Size: 2421 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001191744.1, NP_001178673.1</u>
RefSeq Size:	2421 bp
RefSeq ORF:	2421 bp
Locus ID:	296409
Cytogenetics:	3q42