

## Product datasheet for **MC223797**

### Casz1 (NM\_027195) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Casz1 (NM\_027195) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Casz1  
**Synonyms:** 2410019P08Rik; AV096627; BC040081; Cst; D4Ertd432e  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC223797 representing NM\_027195  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGATCTTGGAACAGCTGAAAGCACCCGGTGCACCGACCCACCTGCAGGCAAGCCTCCAATGGCAGCCA  
AGCGCAAAGGCGGCTGAAGCTCAACGCCATCTGTGCCAAGCTCAGCCGACAGGTGGTCGTGGAGAAGGG  
AGCAGAGGCCGGCTCCCAAGCCGAAGGTAGCCACTACATCCCCGGGACAAAGAGCGCAGTGGCCCTGAG  
TCTGGGGTGAGCCGGGCTCCCCGAAGTGAAGAAGACAAGAGGCGGGCAGTGATCGAGAAATGGGTCAATG  
GAGAGTACTGTGAGGATCCCGCACCCACCCAGTGTGGGGCGTATTGCCCGTGATCAGGAGCTGCCCCC  
AGAGGGTGTCTACATGGTCCAGCCACAGGGCTGCAGTGACGAAGAAGACCATGCAGAAGAGCCCTCAAAA  
GATAACAGTGTCTGGAGGAGAAGGAGTCAAGTGGTACGGCTTCTAAAGATGACAGCGGCCCCAGCACCA  
GGCAGGCTTCAGGAGAAACCTCCTCTCTGAGGGACTACGCTGCTCCACCATGACCGAGTTCTCGGCAT  
GTTTGGCTACGATGACCAGAACCAGGGATGAGCTGGCCAAGAAGATCAGCTTTGAGAAGCCGCATGCA  
GGCTCCACCCCGAGGTGGCTGCCTCTTCCATGTTGCCCTCCTCTGAGGATACCTCAGCAAGCGGGCGC  
GCTTCTCAAATACGAGGAATACATCCGTAAGCTCAAGGCCGGGAGCAACTTCCCTGGCCAGCCACCG  
GAGCAAAGCCGAGGACCGGGCAGGCAAGGAGGTGGTGGTCCCTTACCCAGCCTACGGCTGCCAGCAAC  
ACGGCCACCTGGAACCAAGGCCACCATCCTGCCACTGCCATCACACAGCAGTGTCCAGATGCAGAATC  
TGGTAGCTCGTGCTTCCAAGTATGACTTCTTCCACAAACTGAAGACAGGCGAGAACCTGAGGCCCA  
GAATGGAAGCACTTACAAGAAGCCATCCAAGTATGACCTGGAGAATGTCAAGTACTTGCACCTCTTCAA  
CCCGGGGAAGGCAGCCCTGACATGGGCGGGGCCATCGCTTCAAGACAGGCAAGGTGGGGCGCCCTCTA  
AGTACGACGTTCCGGGCATCCAGAAGCCAGGCCCTACCAAGATTCGCCCCCCCCAGCCTGGTTCTAC  
ACCCCTACCAATGTGCCAGTGTCTCCAGCACCCCGGACCAGGACCGGAGCCACCTGCCTCCTGTCC  
TTCAACACTCCCGAGTACCTGAAGTCAACCTTTTCCAAAACAGACTCCATCACCACAGGAAGTGTCTCCA  
CTGTCAAGAACGATTGCCACAGATAAACCAGCTGTACCGAAGATGTAACATTTACCAGAAATATAT  
TGCCAGGTTCTCAGGAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGT  
TGCTGGACCCGGAGTGAACCTACCAGCGGTTACAAGCAAGCAGGATGTGATCCGACATTACAACATGC



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ACAAGAAGCGCGACAACCTCCCTGCAGCACGGCTTCATGCGCTTCAGCCCCTGGACGACTGCAGTGTCTA  
 CTACCACGGCTGCCACCTCAATGGGAAGAGCACCCACTACCCTGCATGCAGGTGGGATGTAAACAAGGTA  
 TACACAAGTACGTCGGATGTGATGACTCACGAGAACTCCACAAGAAGAACCCAGCTCATCAACGATG  
 GCTTCCAGCGCTCCGAGCCACGGAGGACTGCGGCACAGCTGACTGTGAGTTCTATGGACAGAAGACCAC  
 ACACTTCCACTGCAGGCGCCCTGGCTGCACATTCACCTTCAAGAACAAGTGTGACATCGAGAAGCACAAG  
 AGCTACCACATCAAGGATGATGCCTACGCCAAGGACGGCTTCAAGAAGTCTACAAGTACGAGGAGTGCA  
 AATACGAGGGCTGCATGTACAGCAAGGCCACCAACCATTCCACTGCATCCGCGCCGGCTGCGGCTTCAC  
 CTTACCTCCACCAGCCAGATGACCTCACACAAGCGCAAGCACGAGCGGGGCACATCCGGTCTCGGGG  
 GCCCTGGGGCTGCCGGCCTCCCTGCTGGGCGCCAAGGACACGGAGCACGAGGAATCCAGCAACGATGACC  
 TCGTGGACTTCTGCCCCTGAGCAGCAAGAAGTCCAGCCTGAGCGCCTCCCCACCAGCCAGCAATCGTC  
 CGCATCCCTGGCCGCTGCGGCTGCCGCCACCCTGCTGAGGCCATCCCCAGTGCCACCAAGCCTCCCAAT  
 AGCAAGATGGCAGGCTGCTGCCCCAGGGCCTGTCTGGTTCCATCCCCTAGCACTGGCCCTCTCTAACT  
 CAGGCCTGCCACCACACCCTATTTCCCTGCTTCCTAACCGTGGGAGCGCCTCATTGCCTGTGGG  
 ATCTCCAGGGCTCCTGGGCTCCATGTCTCTGGGGCCACAACCTCAGCAACCCCTGACATGCCGGCCCTG  
 ATGGCTTCCAGAGCTGGAGACTCGGCCCCACGGCTGCCACCTCTCTCGGTGCCCCCTGCCTCCATCA  
 TTGAGAGAATCTCTGCAAGCAAAGGCCTCATCTACCCATGATGGCTAGACTGGCTGCGGCCGCCCTCAA  
 GCCCTCTGCCACCTTTGACCCAGGAAGTGGGCAGCAGCCACCCCAAGTTCACCCAGGCCAGGTG  
 AAGCAGGAGCCTGACAGTGTGGCACCCAGGTCCCACGAGGCCTCCAAGACCGCAGTCTAGACCTGA  
 CCGTGAAGGATCCAGTAATGAATCAAATGGCCACGCAGTCTCGGCAAATTCATCTCTTTATCCTCGCT  
 TATGAATAAGATGTCTCAGGGCAACCCAGCCTCGAAAGCTTCTGAGCATCAAGACAGAAGCGGAGGGG  
 AGCCCCGCGGGGAGCCCTCGCCTTTCTGGGCAAGGCCGTGAAGGCACTAGTTCAAGAGAAGCTGTGAG  
 AGCCTTGAAGGTGTATCTCCGAGGTTGGTACCAAGGACTTCTGTGATGCCAGTGTGACTTCTCTCA  
 CAAGGCGCATTTCCATTGTGTAGTGGAGGAGTGGGTGCGCTTTTCAGCACCTTGGACGGAGCCATCAA  
 CATGCAAACTTCCACTTCCGGACAGAGGGAGGAACAGCAAAAGGAACCCAGAGGCTTCTTCCCGACT  
 CTGCTGCTGAGACCAAACCTCCCTTGGCACCTCGTCCCTGCCAGCACCTCCTGGCACCATGGTCCGCTGG  
 ATCTTCTCTGGAGGGCCTGCTCCAGCCCGGTCTCTGTGCCCTCACCCCAACCTGCTCGCTGGAAG  
 CAGCTGGCTTCCACCATACCCCAGATGCCTCAGATTCCCTCCTCAGTGCCTCACCTGCCACCTCGCCCC  
 TGGCGACGACGTCTAGAGAGCGCCAAGCCTCAGGTCAAACCCGGTTCCTCCAGTTCAGGACAAGTG  
 A

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

SgfI-MluI

**ACCN:**

NM\_027195

**Insert Size:**

3501 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\\_027195.2](#), [NP\\_081471.2](#)

**RefSeq Size:** 4428 bp

**RefSeq ORF:** 3501 bp

**Locus ID:** 69743

**UniProt ID:** [Q9CWL2](#)

**Cytogenetics:** 4 78.87 cM

**Gene Summary:** Transcription factor involved in vascular assembly and morphogenesis through direct transcriptional regulation of EGFL7.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (2) differs in the 3' coding region and 3' UTR, compared to variant 1. The encoded protein (isoform 2) is shorter and has a distinct C-terminus, compared to isoform 1.