

## Product datasheet for **MC220476**

### **Cass4 (NM\_001033538) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cass4 (NM_001033538) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cass4
Synonyms:	F730031O20Rik; RP23-228E2.3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >MC220476 representing NM\_001033538  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGAGGCCACCAGCATCAGAGAGGGTGCGCCAAGACCTGTTGGCCAGGGCACTCTACGACAACCATG  
 CTGATTGCTCCGACGAGCTTGTCTTCTCCAGAGGGGACATCCTGACCATCGTGGAACAAAATGTGCCAGA  
 AAGCGAGGGCTGGTGGAGGTGTCTGCTCCACGGGAGGCAAGGCCTGGCTCCAGCCAACCGCCTCCAAGTC  
 CTCAGAGAGACCCTGCAGACAGACCCTGTCCCCTGCTCCCGAGAGGCCAGACACAGATCTCACCAGCT  
 CCGGGGCGCCTTACCAGGTGCAGGACTTGATCTCCCCGCCACCCAGGGACCTGTGTATGAACCAATGAG  
 GAGCTGGTGGAGGGGCCGTACCAGCGACTGCCAAGTCTACGAATGCCTGAGTCACCTTCCAGTGCC  
 AGGATCATCTGTAAAAGACGCTGAGCTCCCCAAGCAGGCCCTCTGTGCTTCCAGACCGACGAGGG  
 CCTCGTTGCCGACACTTCTTCCAGGTGTATGACGTGCCTGTCAGAGGCAGGGCTTCTCAACCCCTTGA  
 GAGGCTGGAGAAGCAGCAGTTCTATGACATACCCACCAGCTCCCAGAAGGCTCTGCTCCACTCCTCCACC  
 AGCCAGGGACGGGATGTTACATTGGCACCGACAATGGCCTTCAGACAAGGTGGTGGCTATAACCCGTTAT  
 CCAGCCCTCAGAAGTCAGAACGGATTATGACACTCCGGTGTGCTGGAAAAGGCCGATGTCAGAAATGT  
 GTCTATGACCAGCTTACCAAAGACTCAGGTTCCAGAGCCATTCCAGGCTCCTCTGCTGTCCACTGGA  
 GCTGTGGCCCTCTCCCCACAGCTGGGAAACTGTGCAGAGAAAAACAGCCTCCAGAAGAACCTACCT  
 ATGCCTTCCCAACGTCCAGGGACCCACTGCCCTCTGATGCAGGTGGCAGCTACAAGTCCCTTCCAGGTT  
 TCTTATCCCAGAGTGGAGCAACAGAACCCATGCCTAACATTTATGACACCCCTAAAGCCATGCAGGGT  
 GTGTCTCATAACGCCCTAAAGCCATGCAGGGTGTGTCTCTGGCTGGAAGGAGCTGGAGAGAGGCAGAG  
 AGGCTCCAGAAAATTCCCCTGGATCTCCGGACAGACAAGTTTCTGTCTCCTGACTCGGACCGATTATC  
 TGTTGCCAGCTCAGACAGCAGGGCTAGTGTGGTGTCTTCTGCTCCTCCATATCCATGGACTCCTCCTCT  
 GGCTCCTCCTCAGAGGACTCCGTCAAGGAGCTATGGATGGACGTGGACTTTGCAAAGGAGACAGCAGTGT  
 CTCTGCAACACAAAGTGGCCAGCTCGGCGCGGGCCTGCTGCTCTTTGTAAGCAGGACTTGGAGGTTCAA  
 AGACTCCTTGAAACCAACATCCACAGAATCCGCAGGGCCGCTGACCACGTAGAGGAATCTGTAAGAGAA  
 TTTCTGGATTTTGCCTAAGGGTGGTGGGACCGCTTGAATCTCACAGACAGCTACCTCAGGCTAGAA  
 TTAGAGATCAGCTCCAGACAATCTAGCTCCTACCAGACTGCTGGATGCCAAGGGAAGCTTGGACCG  
 CTGCAATTGGTCCCTGGAAGTCTTGTGACAGACAAAGTCCAAAACAGCCTGGATGACCTGGAGAGGTTT  
 GTCGCCACTGCACGAATAGTTCAGAAGACGTC AAGAGGTTTACCTCCATCGTCATTGCCAATGGGAAGC  
 TCCTTTTTAAACAGAAGTGTGAGAAAGGAGAGATGGACTTGAAGTGTGAGAGATGCATCCGGCCTCCCCA  
 AAGAGAACTGAGTCCTACCAAGAGAGCAGCCCTTCGACAGGCAACCGCAACTGAACACTCCTTTGAA  
 CTAGCAAGGAAAAACAGAGTGAATGTCTGTTGGCAGGTAAGTCAGGGTGACAAACAGTACACAGGGGACT  
 TCATCTGTTACCTGAACTGGTCATCACTGAGGCAGATGCTGGCATCATGTGCCTGTAGAAATGTGCACTT  
 GCACGTTTATGGGGAAGCCATAGGAT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001033538
- Insert Size:** 2058 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\\_001033538.2](#), [NP\\_001028710.1](#)

**RefSeq Size:** 3731 bp

**RefSeq ORF:** 2058 bp

**Locus ID:** 320664

**Cytogenetics:** 2 H3

**Gene Summary:** Docking protein that plays a role in tyrosine kinase-based signaling related to cell adhesion and cell spreading. Regulates PTK2/FAK1 activity, focal adhesion integrity, and cell spreading (By similarity).[UniProtKB/Swiss-Prot Function]