

Product datasheet for **MC221786**

Cass4 (NM_001080820) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cass4 (NM_001080820) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cass4
Synonyms:	F730031O20Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221786 representing NM_001080820
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGAGGCCACCAGCATCAGAGAGGGTGCGCCAAGACCTGTTGGCCAGGGCACTCTACGACAACCATG
 CTGATTGCTCCGACGAGCTTGTCTTCTCCAGAGGGGACATCCTGACCATCGTGGAACAAAATGTGCCAGA
 AAGCGAGGGCTGGTGGAGGTGTCTGCTCCACGGGAGGCAAGGCCTGGCTCCAGCCAACCGCTCCAAGTC
 CTCAGAGAGACCCTGCAGACAGACCCTGTCCCCTGCTCCGAGAGGGCCAGACACAGATCTCACCAGCT
 CCGGGGCGCCTTACCAGGTGCAGGACTTGATCTCCCCGCCACCCAGGGACCTGTGTATGAACCAATGAG
 GAGCTGGTGGAGGGGCCGTACCAGCGACTGCCAAGTCTACGAATGCCTGAGTCACCTTCCAGTGCC
 AGGATCATCTGTAAAAGACGCTGAGCTTCCCAAGCAGGCCCTCTGTGCTTCCAGACCGACGAGGG
 CCTCGTTGCCGACTTCTTCCAGGTGTATGACGTGCCTGTCAGAGGCAGGGCTTCTCAACCCCTTGA
 GAGGCTGGAGAAGCAGCAGTTCTATGACATACCCACCAGCTCCAGAAGGCTCTGCTCCACTCCTCCACC
 AGCCAGGGACGGGATGTTACATTGGCACCGACAATGGCCTTCAGACAAGGTGGTGGCTATAACCCGTTAT
 CCAGCCCTCAGAAGTCAGAACGGATTATGACACTCCGGTGTGCTGGAAAAGGCCGATGTCAGAAATGT
 GTCTATGACCAGCTTACCAAAGACTCAGGTTCCAGAGCCATTCCAGGCTCCTCTGCTGTCCACTGGA
 GCTGTGGCCCTCTCCCCACAGCTGGGAAACTGTGCAGAGAAAAACAGCCTCCAGAAGAACCTACCT
 ATGCCTTCCCAACGTCCAGGGACCCACTGCCCTGTATGCAGGTGGCAGCTACAAGTCCCTTCCAGGTT
 TCTTATCCCAGAGTGGAGCAACAGAACCCATGCCTAACATTTATGACACCCCTAAAGCCATGCAGGGT
 GTGTCTCATAACGCCCTAAAGCCATGCAGGGTGTGTCTCTGGCTGGAAGGAGCTGGAGAGAGGCAGAG
 AGGCTCCAGAAAATCCCCTGGATCTCCGGACAGACAAGTTTCTGTCTCCTGACTCGGACCGATTATC
 GTTGGCAGCTCAGACAGCAGGGCTAGTGTGGTGTCTTCTGCTCCATATCCATGGACTCCTCCTCT
 GGCTCCTCCTCAGAGGACTCCGTCAAGGAGCTATGGATGGACGTGGACTTTGCAAAGGAGACAGCAGTGT
 CTCTGCAACACAAAGTGGCCAGCTCGGGCGGGCCTGCTGCTTTGTAAAGCAGGACTTGGAGGTTCAA
 AGACTCCTTGGAAACCAACATCCACAGAATCCGCAGGGCCGCTGACCACGTAGAGGAATCTGTAAGAGAA
 TTTCTGGATTTTGCCTAAGGGGTTGGTGGGACCGCTTGAATCTCACAGACAGCTACCTTCCAGGTAGAA
 TTAGAGATCAGCTCCAGACAATCTTAGCTCCTACCAGACACTGCTGGATGCCAAGGGAAGCTTGGACCG
 CTGCAATTTGGTCCCTGGAAGTTCTGTGACAGACAAAAGTCCAAAACAGCCTGGATGACCTGGAGAGGTTT
 GTCGCCACTGCACGAATAGTTCCAGAAGACGTC AAGAGGTTTACCTCCATCGTCATTGCCAATGGGAAGC
 TCCTTTTTAAACAGAACTGTGAGAAAGGAGAGATGGACTTGAAGTGTGAGAGATGCATCCGGCCTCCCCA
 AAGAGAAACTGAGTCCTACCAAGAGAGCAGCCCTTCGACAGGCAACCGCAACTGAACACTCCTTTGAA
 CTAGCAAGGAAAAACAGAGTGAATGTCTGTTGGCAGCAGTCACCTAACCTACAAGAGAAAGGAAAGCCCA
 CCATGGAAGGAAAGTCAAACAGAAACCCAGACTTCCATGGCATGAGTCTCCCCCTTACCTCTCCATC
 TCCCAGTGGGCAAAACACCGAGAGGAAGATCCACCTGTCTAAGCATAGCAGACTTATTTCCGAGCACTC
 TTC AAGCCATCAGTGTCTTTGCAAGCAGCCTCAGCAACGGCCAGCCCCCGAGGTCTTCACTCAGAC
 GCAAGCTAGTCATCACAGTTGGACAGAAGCTGGTGGACACGCTGTGCAGTGAGACCCAGGAGAAAGATGA
 ACGCAATGAGATCCTGTGTGGCAGCAGTCACCTCTGCGGGCTGCTCAAGGACCTGGCGCTGGCCACCAAA
 AGTGCAGTGATCCAGTACCCGAGCCCAGTGCCCTGAGCCTCCTCCAGTCAGAGGTGGAGAGGCTAGAGC
 ACCACTCTCGAAATTCAGAGACACGTTGGAATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001080820
Insert Size: 2415 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:	<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_001080820.2 , NP_001074289.1
RefSeq Size:	3705 bp
RefSeq ORF:	2415 bp
Locus ID:	320664
UniProt ID:	Q08EC4
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] Transcript Variant: This variant (2) encodes the longest isoform (2).