

Product datasheet for **MC228923**

Cass4 (NM_001276422) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cass4 (NM_001276422) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cass4
Synonyms:	F730031O20Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228923 representing NM_001276422
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGAGGCCACCAGCATCAGAGAGGGTGCGCCAAGACCTGTTGGCCAGGGCACTCTACGACAACCATG
 CTGATTGCTCCGACGAGCTTGCTTTCTCCAGAGGGGACATCCTGACCATCGTGGAACAAAATGTGCCAGA
 AAGCGAGGGCTGGTGGAGGTGTCTGCTCCACGGGAGGCAAGGCCTGGCTCCAGCCAAACCGCTCCAAGTC
 CTCAGAGAGACCCTGCAGACAGACCCTGTCCCCTGCTCCCGAGAGGCCAGACACAGATCTCACCAGCT
 CCGGGGCGCCTTACCAGGTGCAGGACTTGATCTCCCCGCCACCCAGGGACCTGTGTATGAACCAATGAG
 GAGCTGGTGGAGGGGCCGTACCAGCGACTGCCAAGTCTACGAATGCCTGAGTCACCTTCCAGTGCC
 AGGATCATCTGTAAAAGACGCTGAGCTTCCCAAGCAGGCCCTCTCTGTGCTTCCAGACCGACGAGGG
 CCTCGTTGCCGACTTCTTCCCAGGTGTATGACGTGCCTGTCAGAGGCAGGGCTTCTCAACCCCTTGA
 GAGGCTGGAGAAGCAGCAGTTCTATGACATACCCACCAGCTCCAGAAGGCTCTGCTCCACTCCTCCACC
 AGCCAGGCAAGTGGACGGGATGTTACATTGGCACCGACAATGGCCTTCCAGACAAGGTGGTGGCTATAACC
 CGTTATCCAGCCCTCAGAAGTCAGAACGGATTCATGACACTCCGGTGTGCTGGAAGGCGCGATGTCAG
 AAATGTGTCTATGACCAGCTTACCAAAGACTCAGGTTCCAGAGCCATCCAGGCTCCTCTGCTGTCCAC
 ACTGGAGCTGTGGCCCTCTCCCCACAGCTGGGGAACACTGTGCAGAGAAAAACAGCCTCCAGAAAGAAC
 CTACCTATGCCTTCCCAACGTCCAGGGACCCACTGCCCTCTGATGCAGGTGGCAGCTACAAGTCCCTTC
 CAGGTTTCTTATCCCAGAGTGGAGCAACAGAACCATGCCTAACATTTATGACACCCCTAAAGCCATG
 CAGGGTGTGTCTATAACGCCCTAAAGCCATGCAGGGTGTGTCTCTGGTGGAAAGGAGCTGGAGAGAG
 GCAGAGAGGCTCCAGAAAATCCCCTGGATCTCCGGACAGACAAGTTTCTGTCTCTGACTCGGACCG
 ATTATCTGTTGCCAGCTCAGACAGCAGGGCTAGTGTGGTGTCTTCTGCTCCTCCATATCCATGGACTCC
 TCCTCTGGCTCCTCTCAGAGGACTCCGTCAGGAGCTATGGATGGACGTGGACTTTGCAAGGAGACAG
 CAGTGTCTCTGCAACACAAAAGTGGCCAGCTCGGCGCGGGCCTGTGCTCTTTGTAAGCAGGACTTGGAG
 GTTCAAAGACTCCTTGGAAACCAACATCCACAGAATCCGCAGGGCCGCTGACCACGTAGAGGAATCTGTA
 AGAGAATTTCTGGATTTTGCCAAAGGGTGGTGGGACCGCTTGAATCTCACAGACAGCTACCTTCAGG
 CTAGAATTAGAGATCAGCTCCAGACAATCTCTAGCTCCTACCAGACACTGCTGGATGCCAAGGGAAGCTT
 GGACCGCTGCAATTGGTCCCTGGAAGTTCTTGTGACAGACAAAGTCCAAAACAGCCTGGATGACCTGGAG
 AGTTTTGTGCCACTGCACGAATAGTTCAGAAGACGTCAGAGGTTTACCTCCATCGTCATTGCCAATG
 GGAAGCTCCTTTTTAAACAGAACTGTGAGAAAGGAGAGATGGACTTGAAGTGTGAGAGATGCATCCGGCC
 TCCCAAAGAGAAAAGTGAATCCTACCAAGAGAGCAGCCCTTCGACAGGCAACCGACAAGTGAACACTCC
 TTTGAACTAGCAAGGAAAAACAGAGTGAATGTCTGTTGGCAGAGTCTCCCCCTCTTACCTCTCCATCTC
 CCAGTGGGCAAAACACCGAGAGGAAGATCCACCTGTCTAAGCATAGCAGACTCTATTTCCGGAGCACTCTT
 CAAAGCCATCAGTGTCTTTGCAAGCAGCCTCAGCAACGGCCAGCCCCCGAGGTCTTCATCACTCAGAGC
 AAGCTAGTCATCACAGTTGGACAGAAGCTGGTGGACACGCTGTGCAGTGAAGCCAGGAGAAAGATGAAC
 GCAATGAGATCCTGTGTGGCAGCAGTCACTCTGCGGGCTGCTCAAGGACCTGGCGCTGGCCACAAAAG
 TGCAGTGATCCAGTACCCGAGCCCCAGTCCCTGAGCCTCCTCCAGTCAAGGTTGGAGAGGCTAGAGCAC
 CACTCTCGGAAATTCAGAGACACGTTGGAATGA

ACGCGTACGCGGCCGCTCGAGCAGAAAACATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001276422
Insert Size: 2343 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_001276422.1, NP_001263351.1</u>
RefSeq Size:	3633 bp
RefSeq ORF:	2343 bp
Locus ID:	320664
UniProt ID:	<u>Q08EC4</u>
Cytogenetics:	2 H3
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) uses an alternate in-frame splice site in the 5' coding region and lacks an alternate in-frame exon in the 3' coding region compared to variant 2. It encodes isoform 3, which is shorter than isoform 2.</p>