

Product datasheet for **MC221730**

Casd1 (NM_145398) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Casd1 (NM_145398) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Casd1
Synonyms:	Cas1; Cast1; SOAT
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221730 representing NM_145398
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGCTCTGGCCTACAACCTGGCAAGCGGGAGATCAACCACTACTTCAGCGTGAGGAGCGCCAAGG
 TGCTGGCGCTGGTGGCCGTGCTGCTGCTCGCAGGGTGCCACCTCGCGTCCCGCCGTACCGAGGCAATGA
 TTCGTGTGAATACCTTCTCTCGAGCGGCAGATTTCTTGGAGAAAAAGTTGGCAACCTCAGAGTTGTATG
 ATGCATAAATACAAAATAAGTGAAGCAAAGACTTGCCTTGTAGATAAACACATTGCGTTTATTGGAGATT
 CCAGGATCCGTCAATTATTTTATCTTTTGTAAAAATCATTAAACCCCAAGTTAAAGAAGAAGGAAATAA
 GCATGAAAACATTCTTTTGAAGACAAGGCTGCATCAGTTAAAGTGGATTTTCTTTGGCATCCAGAAGTT
 AATGGTCCATGAAACAATGTATCAAGGTGTGGACTGAGGACTCGGTTTTGAAGCCCATGTGATTGTAG
 CAGGAGCAGCCACATGGTCCATCAAGATTCATAATGGCAGCGAGGAGGCACTAGCTCAGTAAAAATGAA
 TATCACCTCCATAGCACCCTTGAAGAAAATGGCCAAGACTAGTGATGTTTATTGGGTCTTACAAGAC
 CCAGTTTATGAGGATCTCTTAAGTGAAAATAGGAAAATGATTACCAATGAGAAGATAGACGCCTACAATG
 AGGCTGCAGTCAGCATCCTGAACAGCAGCACCAGGACCTCTAAGTCCAATGTGAAGATGTTCAAGTGTTC
 CAAACTCATTGCCAAGAGACCATCATGGAGTCTCTGGATGGCTTACACCTTCTGAATCGAGCAGAGAA
 ACTAGTGAATGATTCTCATGAACGTGTACTGCAATAAAGTTGTGAAGCCTGTGGATGGTTCCTGTTGTC
 AGCCTCGGCCACCTCTCACTCTCATTGAGAAGCTAGCTGCTTGTCTTTTCACTTTATCCATTATTGGGTA
 TTTTATTTCTATGTAATTCATCGTAATGCTCACCGGAAGAATAAACCATGTACTGATTTGGAGAGTGGC
 GAGGAAAAGAAGAATATTCAATACTCCTGTGCTTTCATTAGAAATACTTTTACAGTCTTTTGGCAAC
 TTGGCCTGATTATGGCTTATTTCTATATGTGTGACCGTGCAAACCTGTTTATGAAGGAAAACAAATTTTA
 TACACATTCATCATTCTTTATTCCAATTATCTACATCTTGGTTTTGGGAGTATTTTACAATGAAAACACA
 AAAGAGACTAAAGTGTTAAATAGAGAGCAAACCTGATGAATGAAAAGGCTGGATGCAGCTTGTGATTTTGA
 TCTATCACATCTCGGAGCAAGCACATTTCTGCCTGTGTACATGCACATTCGAGTTCTGGTGGTGCATA
 TCTGTTTCAGACAGGACGCGCATTTCTTACTTTTGGATCAAAGGAGATTTTGGGATTCATAGAGTG
 TGTGAGTCTTATTTGCTCTCAATTTCTGTTGTGGTGTATGTATCGTAATGGATCGACCATATCAGT
 TCTATTACTTTGCCCCTTGGTTACCGTGTGGTTCATGGTCATATATGCACTTTAGCACTGTGGCCACA
 AATAACCCAAAAGAAGGCAAATGGAATTTTTTCTGGTATCTCGGCTTACTGTTGAAACTAGGCTTGCTG
 CTGCTGTGCATATGGTTCTTGGCATATTCTCAGGGTGCATTTGAGAAGATCTTTTCTCTATGGCCACTTT
 CCAATGTTTTGAACTAGAAGGGAGCGTGTATGAATGGTGGTTCAGGTGGAGGCTAGACCCTACGTTGT
 CTTCCATGGGGTTCTGTTTCTTTCATTTATCTGGCTTTCGAGAGACGGCAAATACTTTCTGAAGGAAAAG
 GGTGAACCACTCTTTCAAACAAAATTTCCAACCTTCTATTGTTTGTTCAGTAGTGTCTTTCTTGACCT
 ATTCATCTGGGCTAGCAGCTGTAAAGAACAAGCAGAGTGAACGAACCTCCACCATCTGTGCTGTGGT
 ACAGATTGTAGCCTTCATCTGATAAGGAACATACCTGGATATGCCCGTTCTATATACAGTTCTTTTTTT
 GCTTGGTTTGGAAAAATTTCACTAGAGCTGTTTCATCTGCCAGTACCACATCTGGCTGGCAGCAGACAAA
 GGGGCATCCTGGTCCATCCCTGGAAACCCGACACTCAACATCATCGTCAGCACGTTTCATCTTCGTTTG
 TGTGGCACATGAGATTTCTCAGATCACCACTGACCTCGCGCAGGTCGTTATTCTAAAGATAACCCGCTC
 CTCTCCGAAGGCTGGCATGTACGATTGCATTTTGGTGGAGTCTCATCTTATCTCCATTCAAGATA
 AATCAAGACTGT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_145398
 Insert Size: 2394 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_145398.2 , NP_663373.2
RefSeq Size:	3760 bp
RefSeq ORF:	2394 bp
Locus ID:	213819
UniProt ID:	Q7TN73
Cytogenetics:	6 1.81 cM
Gene Summary:	O-acetyltransferase that catalyzes 9-O-acetylation of sialic acids. Sialic acids are sugars at the reducing end of glycoproteins and glycolipids, and are involved in various processes such as cell-cell interactions, host-pathogen recognition.[UniProtKB/Swiss-Prot Function]