

Product datasheet for MC224775

Cc2d2a (NM_172274) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cc2d2a (NM_172274) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cc2d2a
Synonyms:	5730509K17Rik; b2b1035Clo
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224775 representing NM_172274 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGC**C

ATGAATACCAACGACGAAAAATGAAAATAATTCAGAGGACTTCACTGGAGATGGTGTGGACACAGAGG
CGGAAGACGGAAGAAGAATTCAAAGGTGCGAAGACAGCAGAGAAAAGAAAAGCCACCCGCTCTCCCC
TGAGGAAATGGTGTGACACAAATCCAAGATGGTGGGCAGCAGGAAGTGGAGGAAGACCCGAGACC
AACCTCCTGAGCTTGACAGCCCGGGGGGCCCGGAGCTTACCTCCCATCCCTTCAGCTTCTAGAACCG
GCTTTGCAGAATTTCCATGAGGGAACGAATGAGGGAGAACTTCAGGCTGCAAGGTCCAAGGCAGAAAAG
CGCATTGTTGCGGGATGTCCCCACCCCTAGACCCAGGCGCCTGCGCAGTCCCTCCAGAGAGAAGGAAAACA
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ATCAAGAATTAAGTCCGTGATTCTGTACGAAAAATTAAGTCAAAACCCAGCTCCCTCCTGGTTTCCC
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AAGGAGAAAAGAAATCCTTTCACGCCTAGTCGGCTGACAGTGCCGACCTATAAAAAGCTTCTGAGAACA
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AAGAGATGAAGTCATTACGGGAGTTCAGAGGTTTACAAAACGCGCTTGAAGCTCGTCTTGAGAAAGGA
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AAGCCCAACTATGGAATCTTTTTTTTACGAAGTCTCCATATCCTGGCCTATCCAGTGTTCAGCCGG
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CGCCACTTCTTGCCTACTGGAAGAAGTCAAGGAGAAGATATAGAAGACGACCACAGGGCAGAGCTGT
TGAAGCAGCTGGGGACTACAGGTTCTCTGGATTTCTCTTACATGCCTTATTCTGAAGTGAAGCCTTT
GGTTGAAGCGGTGATAGCACTGGAGTACATAACATTGACCTTCTAATGTTGAGTTTGTCTTAGCTGTA
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AA

AGCGGACCGACGCTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-RsrII
ACCN:	NM_172274
Insert Size:	4902 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_172274.2 , NP_758478.1
RefSeq Size:	5463 bp
RefSeq ORF:	4902 bp
Locus ID:	231214
UniProt ID:	Q8CFW7
Cytogenetics:	5 B3
Gene Summary:	<p>Component of the tectonic-like complex, a complex localized at the transition zone of primary cilia and acting as a barrier that prevents diffusion of transmembrane proteins between the cilia and plasma membranes. Required for ciliogenesis and sonic hedgehog/SHH signaling. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (a).</p>