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Product datasheet for MC225278

C2cd3 (NM_001017985) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C2cd3 (NM_001017985) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	C2cd3
Synonyms:	AU020772
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC225278 representing NM_001017985 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGAAACAACGGAAAGGCCAAGGGCCTGGGGGCGGCCGTGGGCGCAAAAAGAGAGGTTTGAGTGACATTT CACCGTCTACAAGCCTGCCACCTCTGGTTGAAGGGCAGTTACGCTGCTTTCTCAAACTCACTATTAATAA GGTTGTATGGAAGATTGCGAAGCCTCCTACTTCTGTACTTGTCCGAGTAAGGTGGTGGGGAGAAACATCC GATGGAACCCTCTTTTGTCCCAGAGATGCATTACAGACTGAGCCAAAAGCTGTGAGAACAACTACCCGTT ACGGGATTCGCTGTGGTCCAAAGCAGTTTACCTCGTATCTGACAGATATGGCTGTGCTGGTGTTGGAAGT AATCACCAAGTTTGATCATCTTCCTGTTGGCAGAGTTCAGATCAGTGGACTTGCCCAGCTGTCTCCAACC CATCAGATCAATGGGTTTTTTACCATTGTTTCACCAGCATCGAAGAAACTTGGAGAACTTCAGGTCTCGC TTGCCCTGGAGCCTCTGTCAGAAACTTATGACAGCTACAAACCTCTTCCTGCCACTGAAGTGACAAAAAA TGTGCTTTTATCTGAGCGAGAACTCAGAGAGAAATACTGAATCCAGCAACACCCAGTCTATGATCCCGTCA AGGTCTTGTAGGGGACCTGCCATCAAAATTGATGGGAAAGAATTAGCAGGCCACAGCAGCAGGTCAACCA CGCCAAGGGGAAAGGACCACTTGTACTTTGCAGAGAACTCCGATGCAGTAAAGGGTTCTTTGTGTGGACT ACAGCAGCACCTTAATCAAGGGACGAATGTAGAGACTATAACTCTGAGGGGCAAAGCCCCACAGAAGCAG CTGTCCCTCCTGAACAGCTCTGAGTTTCAGCCACAAATTAGTACAGTCGCCAAGAGTCACAGTGACTCAT GCATCCTGTCTTCAAACACCCCCCCTGCAAAGGACCTTCTTTCAGCTCTGTTAGAACAAGGCAATAAGCT GCGGAATGCCATGTTGATTTCTGCAATGAACTCCAACCCAGATACTAGTATGCTGCTTGACAAAGTCCCT CCTCCTATGACAGAAGCTATTCCCAGATCGTCAGCACTGAACTCATCTGAGAATCACTTTAAAGGCCACA GTGCAGACCACCTTCTCCCCTTGGCGGACACCGGAGCTATACAGCTGCTGTTGGGCAGTGCTGAATTGTC CCAAGGTCATTTCTGGAATGGATTAGGCTCTCCTCCAGATTCCCCGACTCCTGGGAGTGATGAGTACTGC AGCAGTGACCTGAATGATCCTCAGTATGACCAGAGTCTGCTGGAGAACTTGTTTTACACAGTGCCTAAAT CTGATGTCGGCACCAGTGAGCTCCCCAGTGAAGATGATGGAGTGGAACCTTCTAGAACAATGAACCAGTC CAAAGCCTCTGGCAGATCTAAGGTTGTAGAGTCAAAAGAGCAGAAGCAGAAGAGGGCAGCTGTCAAGAAA AGCAGAAACCCAATTGACCAGCAAGAGCTCTCAAGAACTCCAGGACATACCCCAGCGATGTCACTAAGTG

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Restriction Sites:	SgfI-MluI
ACCN:	NM_001017985
Insert Size:	6972 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_001017985.2, NP_001017985.2

RefSeq Size:	7813 bp
RefSeq ORF:	6972 bp
Locus ID:	277939
UniProt ID:	Q52KB6
Cytogenetics:	7 E2
Gene Summary:	Component of the centrioles that acts as a positive regulator of centriole elongation (PubMed:24997988). Promotes assembly of centriolar distal appendage, a structure at the distal end of the mother centriole that acts as an anchor of the cilium, and is required for recruitment of centriolar distal appendages proteins CEP83, SCLT1, CEP89, FBF1 and CEP164. Not required for centriolar satellite integrity or RAB8 activation (PubMed:24469809). Required for primary cilium formation. Required for sonic hedgehog/SHH signaling and for proteolytic processing of GLI3 (PubMed:19004860).[UniProtKB/Swiss-Prot Function]