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Product datasheet for MC224064

Cdon (NM_021339) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdon (NM_021339) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cdon
Synonyms:	Cd0; CDO; Orcam
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224064 representing NM_021339 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGCATCCAGACCTCGGACCCTTATGGACATTGCTGTATGTTCTTGTGATTCTGTGTTCTTCTGTGAGCT CAGACTTGGCACCTTATTTTATTTCTGAGCCACTCTCTGCTGTCCAGAAGCTTGGTAGACCCGTGGTCCT ACATTGTTCTGCTAAACCTGTTACTGCCCGAATCTCATGGTTGCATAATGGAAAACGGTTGGACAGAAAC ACAGAACAGATAAAGATTCATCGGGGGACTTTGACCATTCTGTCTCTTAACCCTTCCCTTTCTGGTTGCT ACCAGTGCGTTGCCAACAACAGCGTTGGTGCCGTTGTGAGCGGCCCCGCAACAGTGTCCGCTGCAGCCCT GGGTGATTTCGATTCATCAACAATGCACGTTATTACTGCAGAAGAGAAAAACACAGGCTTCATTGGCTGC AGGGTACCAGAGAGTAACCCCAAAGCTGAGGTGCGCTATAAGATCCGGGGAAAGTGGCTGAAGCATTCCA CAGGGAACTACATAATCCTTCCCTCAGGAAACCTTCAGGTTCTGAATGTGTCCTCTAAGGATAAGGGATC CTACAAATGTGCTGCCTATAACCCTGTCACCAGTGAACTGAAGGTTGAGCCCACTGGCCGGAAGCTCCTT GTGAGTCGTCCTTCCTCGAATGGCTTTCACATTCTTCACCCTGCTCTTTCTCAGGCATTAGCTGTCCTTC CTCACAGCCCCGTTACCTTGGAGTGTGTGGTGAGTGGGGTTCCGGCCTCACAAGTGTATTGGCTGAAGGA CGGTCAGGATGCCGTGGCAGGAAGCAACTGGAGAAGGCTGTACTCTCATCTGGCCACAGCTAGCATCGAC CCAGCGGATTCGGGGAACTATTCCTGTGTGGTGGGCAACAAGTCCGGAGATGTGAAACACGTCACTTACA TGGTCAATGTACTGGAGCATGCGTCAATTTCTAAAGGGCTGCACGATCAGAAGGTGTCCCTGGGGGCCAC CGTACATTTTACCTGTGATGTTCATGGGAACCCAGCCCCCAACCGCACCTGGTTTCATAACGCACAGCCT ATCCACCCCTCCTCACGGCATCTCACTGAAGGAAACGTGCTGAAGATCACCCGGGTTGTCATGGAAGATT CTGGGCTATATCAGTGCGTAGCAGACAATGGCATTGGATTCATGCAGTCTACTGGGAGACTTCAAATTGA ACAAGACAGTGGATGGAAGCCTGTTATTGTCACCGCACCAGCAAACATAGAGGTGATGGATGGAGACTTT GTGACTTTGTCTTGTAATGCCACCGGAGTGCCTGTCCCAGTCATTCATTGGTACGGCCGCCATGGATTGA TAACCAGCCATCCATCTCAGGTCCTTAGGTCCAAACCCCGAAAGTCCCACCTGTTCCGGCCTGGGGACCT GGACCTGGAGCCTGTCTACCTCATCATGTCCCAAGCTGGCTCGAGCTCTCTGTCTATTCAGGCAGTCACT CTGGAGCATGCTGGGAAATATACTTGTGAAGCTACAAACAAACATGGCAGCACACAGTCAGAAGCATTCC

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TCACAGTTGTTCCTTTCGAGACAAACACAAAGGCAGAGTCAGTCACACCTTCTGAAGCTTCTCAGAATGA
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GTGGTCCCAGTGGTAGCCTCTTATCCTCAGGGTGGTCTGGAAATGAAGCCCCTCAATGCCATGAAGGTGC
CTGTGTGCCCAGCTTCCACAGTTCCTGACCATGGCCAGTTACCTGACGATTGTGTCAAGGACAGTGTGGC
ACCAATACCTACCCAGCATACTTGCTGCCAGGACAACATAAGTGACATCAATTCTGATTCCACAGAAGAC
ACAGCAGAGTTCAGCAGAGGAGACAGCAGTGGTCATTCTGAAGCAGAGGACAAAGTTTTCAGTTGGAATC
CTCTTATTTTGTCACCTGTCTTGGAGGACTGTGGTGAGAAGACAGCGAGGTCTCCCCCTGGACCTCCTCT
AGACGGGCTGTCGGTGGTCCTTCAGCAAGCCCAAGAGACCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_021339

Insert Size: 3753 bp

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OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
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_021339.2, NP_067314.2
RefSeq Size:	7236 bp
RefSeq ORF:	3753 bp
Locus ID:	57810
UniProt ID:	Q32MD9
Cytogenetics:	9 A4
Gene Summary:	Component of a cell-surface receptor complex that mediates cell-cell interactions between muscle precursor cells. Promotes differentiation of myogenic cells. Required for response to NTN3 and activation of NFATC3.[UniProtKB/Swiss-Prot Function]

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