

Product datasheet for MC218379

1810007M14Rik (BC014838) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	1810007M14Rik (BC014838) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	1810007M14Rik
Synonyms:	1810007M14Rik; C21orf66; Gcfc; Gcfc1; Pax3/7bp
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>BC014838 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCACCAAATCTTGATTCCTTTGGACGTGATCGGGCACTTTATCAAGAACATGCAAAACGTCGGATTG
CAGAGCGGAAGCCAGGAGGACTCGCCGTAGGCAAGCCAGAGAGCAAACCGGTGAGATGGCAGATCACCT
GGAAGGCTGTCCAGTGATGATGAAGAGACGTCTACAGATATTACTAATTTCAATCTGGAGAAAGATCGA
ATTTTGAAGAGTCTAGCAAAGTTTTTGAAGATGTCTTGAGAGTTTCTATTCAATTGACTGCATTAAAG
CACAGTTTGAAGCATGGCGTTCAAATACTACATGTCCTATAAGGATGCTTATATTGGTCTTTGTCTGCC
CAAAGTGTCAACCCCTAATCAGACTTCAGCTTCTCACCTGGACTCCTCTTGAGGCAAAATGCCGTGAC
TTTGAACCATGCTGTGGTTTGAATCTCTGCTGTTCTATGGCTGTGAAGACCGAGAGCAGGAGAAGGATG
AGGCTGACGTTGCTCTGCTGCCACCATTGTGGAGAAGGTCATTCTCCCAAGCTGACAGTGATAGCTGA
AACCATGTGGGATCCCTTTTCTACAACACAGACTTCAAGGATGGTTGGAATCACAATGAAATTAATAAT
GGTACCCCTCAGTAGTCAATGCAGACAATAAAAAACGCAGGTATACCTTAAAGCTCTTTACTGAGGA
TGAGAAGAACTTTAGATGATGATGATTTTATGCCCTATATCCCAAAAATGTCTTAGAAAATAAAAATTC
TGGGCTTACTTATTTTTTCAACGACAGTTTTGGTCTGTTAAGCTATTGGGAAATTTCTTCAGTGG
TATGGCATTCTCAAACAAAATCTTTCAGGAGTTATCAATAGATGGCTTGTAAACAGATACATCCTTA
TGGCTTTTCAGAACTCAGAAATACGGAGATGACAGCATCAGAAAAGCCCAAATGTAATCAACTGTTTCCC
TAAACAGTGGTTGTGAATCTGAAAGGAGAAAGAACTATTTCTCAGTTAGAAAATTTTTGCCGATATCTT
GTACATTTAGCAGATACAATTTACAGGAACAGTATTGGGTGCTCTGATGTGAAAAAAGAAATGCAAGGG
AAAATATAAACAGATAGTAAAATCTTGCAAGTGTTCGGGCTTTGGATCACGCTATATCTGTTGCAAG
TGACCACAATGTGAAGGAAGTCAAGTCTCTGATTGAAGGAAAATAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	BC014838
Insert Size:	1236 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:	BC014838 , AAH14838
RefSeq Size:	1414 bp
RefSeq ORF:	1235 bp
Locus ID:	67367
Cytogenetics:	16 C3.3
Gene Summary:	Adapter protein linking the transcription factors PAX3 and PAX7 to the histone methylation machinery and involved in myogenesis. Associates with a histone methyltransferase complex that specifically mediates dimethylation and trimethylation of 'Lys-4' of histone H3. Mediates the recruitment of that complex to the transcription factors PAX3 and PAX7 on chromatin to regulate the expression of genes involved in muscle progenitor cells proliferation including ID3 and CDC20.[UniProtKB/Swiss-Prot Function]