

Product datasheet for **MC222591**

Paxbp1 (NM_026110) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Paxbp1 (NM_026110) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Paxbp1
Synonyms:	1810007M14Rik; C21orf66; Gcfc; Gcfc1; Pax3/7bp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222591 representing NM_026110
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTCCGAAAGGCCCGGCGGGTGAACGTGCGCAAGCGGAACGACTCGGAGGAGGAGCGGGAGCGCG
 ATGAGGAGCAGGAGCCGCCACCGTTGCTGCCCCCGCCGCGCTCGGGAGAAGAGCCCGGCCCTGGCGCGG
 CGACCGGGCCCCCGGGGGAGTCGCTCCTGGGCCCGGGCGCTGCCGCCGCCCTCCGCGCACCCAC
 CCGGGCTCGCGCTGAGGCCGGGGGCGGCATCTCCGGCGGCGGAGCCGGCAATGGCTGAAGCCGC
 GCAAGAGGCCCTCGCGAGAACAAGAGGTGCCAGGGCCAGCCTGCTCAGCTTCCAAGACGAGGAGGAAGA
 AAATGAAGAAGTGTCAAAGTAAAGAAATCAAGTTACAGCAAAAAGATAGTTAAATTGCTTAAGAAAGAA
 TATAAAGAAGACCTTGAAAAATCAAAGATCAAGACAGAACTCAACACAGCAGCTGACAGTGACCAGCCTC
 TGGACAAAACGTGTCATGCTAAGGACACAAACCCAGAAGATGGAGTTGTCATCAGCGAGCACGGTGAGGA
 TGAAATGGACATGGAGAGCGAGAAGGAGGAGGAGAAGCCCAAGCCGGGGGCGCCTTCTCCAATGCTCTG
 TCTTCCCTGAAGTGTCTCGCCAGGAGAAATCCAGATGCAGCTTTCATACATGCTGCAAGAAAGAAAGC
 GACAACTGGCCCGGGAGCTGGGCGACTTCACGCCTCACGACAGTGAGCCTGGCAAAGGCCGCTCGTCCG
 CGAGGACGAGAATGATGCCAGCGACGATGAGGACGATGATGAGAAGCGCCGGATCGTTTTTCTGTGAAG
 GAAAAGTCACAAAAGACAAAAGATCGCTGAGGAGATAGGTATTGAGGGGAGTGACGATGACGCGTTAGTAA
 CTGGAGAGCAAGACGAGGAGCTCAGCCGCTGGGAGCAGGAGCAGATTAGAAAAGGAATTAACATCCCTCA
 GGTTCAAGCAAGTCAGCCAGTGAAGTGAATGTGTACTACCAGAACACCTACCAGACAATGCCTTACGGT
 GCATCCTATGGCATACCGTATAGTTACACAGCCTATGGATCATCAGATGCCAAGTCTCAAAAACAGATA
 ATACAGTCCCTTCAAACCTCCAGTAATGAGATGGCTCCCGTTACTATTGATTGGTAAAGACAGCT
 TAAAGACAGTTGGACTCCATGAAAGAATTGCACAAAACCAATCAACAGCAGCATGAAAAACATCTGCAA
 AGCCGAGTGGACTCCACCAGGGCTATTGAGAGATTAGAAGGGTCTTCTGGGGTATTGGTGAACGGTATA
 AATTTTTGCAAGAAATGCGAGGGTATGTCCAAGACTTGCTTGAGTGTTCAGTGAAGGGTGCCTGAT
 TAATGAACTTGAATCAGCAATACATCAGCTGTACAAACAGCGAGCTTCCCGCTTGCCAAAGACGACAA
 GATGATATTAAGATGAATCTTCGGAGTTTTCAAGCCATTCAAATAAGCTTTGATGGCACCAAATCTTG
 ATTCCTTTGGACGTGATCGGGCACTTTATCAAGAACATGCAAAACGTCGGATTGCAGAGCGGGAAGCCAG
 GAGGACTCGCCGTAGGCAAGCCAGAGAGCAAACCGGTCAGATGGCAGATCACCTGGAAGGCCGTCCAGT
 GATGATGAAGAGACGTCTACAGATATTACTAATTTCAATCTGGAGAAAGATCGAATTTTGAAGAGTCTA
 GCAAAGTTTTTGAAGATGCTTGGAGAGTTTCTATTCAATTGACTGCATTAAGCACAGTTTGAAGCATG
 GCGTTCAAATACTACATGTCCTATAAGGATGCTTATATTGGTCTTTGCTGCCCAAACCTGTTCAACCCC
 CTAATCAGACTTCAGCTTCTCACCTGGACTCCTCTTGAGGCAAAATGCCGTGACTTTGAAACCATGCTGT
 GGTTTGAATCTCTGCTGTTCTATGGCTGTGAAGACCGAGAGCAGGAGAAGGATGAGGCTGACGTTGCTCT
 GCTGCCACCATTGTGGAGAAGGTCAATCTCCCAAGCTGACAGTGATAGCTGAAACCATGTGGGATCCC
 TTTTCTACAACACAGACTTCAAGGATGGTTGGAATCACAATGAAATTAATAAATGGCTACCCCTCAGTAG
 TCAATGCAGACAATAAAAACACGACAGGTATACCTTAAAGCTCTTTTACTGAGGATGAGAAGAATTTAGA
 TGATGATGATTTATGCCCTATATCCCAAAAATGTCTTAGAAAATAAAAATTTCTGGGCCTTACTTATTT
 TTTCAACGACAGTTTTGGTCTGCTGTTAAGCTATTGGGAAATTTCTTCAAGTGGTATGGCATTCTCAA
 ACAAACCTCTTCAAGGATTATCAATAGATGGCTTGTAAACAGATACATCCTTATGGCTTTTCAAGAACTC
 AGAATACGGAGATGACAGCATCAGAAAAGCCAAAATGTAATCAACTGTTTCCCTAAACAGTGGTTTGTG
 AATCTGAAAGGAGAAAGAACTATTTCTCAGTTAGAAAATTTTGGCGATATCTGTACATTTAGCAGATA
 CAATTTACAGGAACAGTATTGGGTGCTCTGATGTGAAAAAAGAAATGCAAGGGAAAATATAAACAGAT
 AGTAAAACCTTCTGCAAGCGTTCGGGCTTTGGATCACGCTATATCTGTTGCAAGTGACCACAATGTGAAG
 GAAGTCAAGTCTCTGATTGAAGAAAA TAG

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

ACCN:	NM_026110
Insert Size:	2760 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_026110.2 , NP_080386.3
RefSeq Size:	3809 bp
RefSeq ORF:	2760 bp
Locus ID:	67367
UniProt ID:	P58501
Cytogenetics:	16 C3.3
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) encodes the functional protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>