

Product datasheet for **MC221831**

Strip2 (NM_001037740) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Strip2 (NM_001037740) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Strip2
Synonyms:	D330017J20Rik; Fam40b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>MC221831 representing NM_001037740

Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGGACGACCCCGCGCACCGGGGCCCGCGGCTCTCTGCTAATGACAACGGCAACGGGAACGGCAATG
GGAACGGGAACGGCAACCGCGCAAGGGAAGCCGGCCGTGCCAAGGGCAGGGAAACGTTCCGCAACCA
GCGGCGGGAGTCGGAGGCTCTGTGGACTGCCCTACTCTGGAGTTTGAATATGGAGATTCAGACGGGCAT
GCAGCAGAATTGTCAGAATTATATAGCTACACGGAGAACCTGGAATTTACCACTAACAGGAAGTGCTTTG
AAGAAGATTTAGGACTCAAGTGAAGACACTAAGGAATGGCTGGAGTTGGAAGAAGATGCCAGAAGAC
CTATGTGATGGGACTTCTGGACCGACTGGAGGTGGTCAGTAGGGAGAAACGGCTTAAGGTGGCCCGGCT
GTTCTCTATCTAGCTCAAGGCACCTTCGGGAATGTGATTCCGAGGTCGATGTGTACACTGGTCCAGAT
ACAATTGCTTCTGCTCTACCAGATGGGACCTTCTCGGCCTTCTGGAGCTACTCCACATGAAATCGA
CAACAGCCAGGCCTCGAGTAGTCCCTTCGAAACAGCTGTCTCCATTGCTGACAGCACTGAGCTCAGG
GTACTGCTGAGTGTATGACCTAATGGTGAAAAATATCCGCCTGGAGCGAGAAATAGACCTTGTGGGT
GGAGGACAGCCCGAGAGACCTTCCGAACCTGAACCTGAGTTTCTCCACACATAATGAAGAGCCGTTGCACT
CCTGCTGTTTTCCATGGTTACCAAATCTGCAGTGGCCTGGCCCCCACTTTCCAATAAAGAAGGTTCTG
CTTCTGCTCTGGAAGGTGGTCATGTTTACCCTTGGTGGATTGAGCACCTTCAGGCTCTCAAAATACAGA
AGCGTGCAGAGTTGGGCTGCCTCCACTAGCTGAAGACAGTATCCAGGTTGTAAGAGCATGCGTCTGC
CTCCCCGCTTCTTACACTCTTGATCTGGGGGAGTCTCAGCTGGCTCTCCACCTCCAGCTGCGGGGA
CGCGTGGTCTCGAAGGCAACTCTCACCAAGCAAGACAGCCTGGACATCTACAATGAAAGGGATCTCT
TCAAGACTGAGGAACAGCCACAGAGGAGGAAGAAGTCTGCGGCTGATGGAGAACGAACCTTGGATGG
AGAGTTAGACCTGCTAGAACAGGATCCTCTGGTGCCACCTCCACCTCACAGACACCTCTCTCTACTGAC
CGGGTAGCCTTTCCCAAGGCCTGCCCTGGGCCCGAAGGTTAGACAGAAGGATATTGAACACTTCTTGG
AGATGAGCAGAAACAAGTTCATTGGATTCACTCTGGGCGAGACACAGATACCTTGGTTGGATTACCTCG
ACCCATCCATGAGAGTGTGAAGACTCTAAAGCAGCACAAGTATATCTCCATTGCAGATATACAGATAAAG
AATGAAGAGGAGCTGGAGAAATGTCCTTGTCTTTGGGAGAAGAGGTGGTACCAGAAACACCGAGTGAAA
TCCTCTACCAGGGCATGTGTACAGCCTCCCCAGTACATGATTGCACTGCTTAAGATTCTGCTGGCTGC
AGCTCCCACCTCCAAGGCTAAGACAGACTCTATCAATATCCTGGCAGATGTCCTGCCTGAAGAGATGCCT
GTAAGTGTCTCCAGAGCATGAAGCTAGGCATTGACGTGAACAGACACAAGGAAATCATTGTAAGAGTA
TCTCTGCCCTGCTCCTTCTACTTCTCAAACACTTCAAACCTCAACCATATCTACCAGTTTGAATATGTATC
ACAACATTTAGTGTGTTGCCAACTGCATCCCTTGATCCTGAAGTCTTCAATCAAACATCCTGTCTAT
ATCACTGCCAAAAACAGCATTTTCACTGCTGGATTACCCGTGCTGCACCATCCAGGATTTGCCAGAGCTTA
CTACCGAGAGTCTGGAAGCCGGAGACAATAGCCAGTCTGCTGGAGGAACCTCTTTTCTGCATCAACCT
CCTGAGGCTGCTCAATAAGCTGACCAAAATGGAAGCATTCCAGGACCATGCTACTAAAGATACAGACCAAG
TACCTTGGGCGCCAGTGGAGAAAAAGCAACATGAAGACCATGTCAGCCATTTACCAGAAAGTGGCCACC
GCATGAATGATGACTGGGCTTATGGGAATGACATCGATGCCAGACCATGGGACTTCCAAGCAGAAGAATG
TACCCTGAGGGCCAACATTGAGGCTTTTAACAGCCGCCGATATGATAAGCCTCAGGACTCAGAATTTCTCA
CCTGTGGATAAAGTCTTGCAGAGCGTGGTGGGCGAGAGGCTAGATCTGCCTGAAGATTTCCATTATTCCT
ATGAGCTCTGGCTGGAGAGAGAGGTGTTCTCACAGCCCATCTGCTGGGAGGAGCTGCTCCAGAATCACTG
A

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001037740

Insert Size:

2451 bp

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001037740.1 , NP_001032829.1
RefSeq Size:	5286 bp
RefSeq ORF:	2451 bp
Locus ID:	320609
UniProt ID:	Q8C9H6
Cytogenetics:	6 A3.3
Gene Summary:	Plays a role in the regulation of cell morphology and cytoskeletal organization. Required in the control of cell shape (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 3' coding region, compared to variant 1. It encodes isoform (b) which is shorter than isoform a.