

## Product datasheet for **MR213983**

### Strip2 (NM\_177204) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Strip2 (NM_177204) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Strip2
Synonyms:	D330017J20Rik; Fam40b
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>MR213983 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGACGACCCCGCGCACCCGGGCCCCCGGCTCTCCTGCTAATGACAACGGCAACGGGAACGGCAATG  
 GGAAACGGGAACGGCAACGGCGGCCAAAGGGAAGCCGGCCGTGCCAAGGGCAGGGAACGTTCCGCAACCA  
 CGGGCGGGAGTCCGAGGGCTCTGTGGACTGCCCTACTCTGGAGTTTGAATATGGAGATTCAGACGGGCAT  
 GCAGCAGAATTGTCAGAATTATATAGCTACACGGAGAACCTGGAATTTACCACTAACAGGAAGTGTCTTG  
 AAGAAGATTTTCAGGACTCAAGTCAAGACACTAAGGAATGGTGGAGTTGGAAGAAGATGCCAGAAGAC  
 CTATGTGATGGGACTTCTGGACCGACTGGAGGTGGTCAAGTGGGAGAAACGGCTTAAAGTGGCCCGGCT  
 GTTCTCTATCTAGCTCAAGGCACCTTCGGGAATGTGATTCGAGGTGATGTGTACACTGGTCCAGAT  
 ACAATTGCTTCTGCTCTACCAGATGGGACCTTCTCGGCCTTCTGGAGCTACTCCACATGGAAATCGA  
 CAACAGCCAGGCCTCGAGTAGTGCCTTCGAAACAGCTGTCTCCATTGCTGACAGCACTGAGCTCAGG  
 GTACTGCTGAGTGTATGTACCTAATGGTGGAAAATATCCGCCTGGAGCGAGAAATAGACCTTGTGGGT  
 GGAGGACAGCCCGAGAGACCTTCCGAACCTGAACCTGAGTTTCTCCACACATAATGAAGAGCCGTTGCACT  
 CCTGCTGTTTTCCATGGTTACCAAATCTGCAGTGGCCTGGCCCCCACTTTCAAATAAAGAAGGTTCTG  
 CTTCTGCTCTGGAAGGTGGTCAATGTTTACCCTTGGTGGATTTGAGCACCTTCAGGCTCTCAAATAACAGA  
 AGCGTGCAGAGTTGGGCCTGCCTCCACTAGCTGAAGACAGTATCCAGGTTGTAAGAGCATGCGTGTCTGC  
 CTCCCCGCTTCTTACACTCTTGATCTGGGGGAGTCTCAGCTGGCTCCTCCACCTCCAAGCTGCGGGGA  
 CGCCGTGGTTCTCGAAGGCAACTCTCACCAAGCAAGACAGCCTGGACATCTACAATGAAAGGGATCTCT  
 TCAAGACTGAGGAACACCCACAGAGGAGGAAGAAGTCTGCGGCTGATGGAGAACGAACTTGGATGG  
 AGAGTTAGACCTGCTAGAACAGGATCCTCTGGTGCACCTCCACCTCACAGACACCTCTCTACTGAC  
 CGGGTAGCCTTTCCAAAGGCCTGCCCTGGGCCCGAAGGTTAGACAGAAGGATATTGAACACTTCTTGG  
 AGATGAGCAGAAACAAGTTCATTGGATTACTCTGGGCGAGACACAGATACCTGGTTGGATTACCTCG  
 ACCCATCCATGAGAGTGTGAAGACTCTAAAGCAGCACAAGTATATCTCCATTGCAGATATACAGATAAAG  
 AATGAAGAGGAGCTGGAGAAATGTCCTTGTCTTTGGGAGAAGAGGTGGTACCAGAAACACCGAGTGAAA  
 TCCTCTACCAGGGCATGTGTACAGCCTCCCCAGTACATGATTGCACTGCTTAAAGATTCTGCTGGCTGC  
 AGCTCCCACCTCAAGGCTAAGACAGACTCTATCAATATCCTGGCAGATGCTCTGCCTGAAGAGATGCCT  
 GTAAGTGTCTCCAGAGCATGAAGCTAGGCATTGACGTGAACAGACACAAGGAAATCATTGTAAGAGTA  
 TCTCTGCCCTGCTCCTTCTACTTCTCAAACACTTCAAACCTCAACCATATCTACCAGTTTGAATATGTATC  
 ACAACATTTAGTGTGGCAACTGCATCCCTTGATCCTGAAGTCTTCAATCAAACATCCTGTCTAT  
 ATCACTGCCAAAAACAGCATTTCAGTGTGGATTACCCGTGCTGCACCATCCAGGATTTGCCAGAGCTTA  
 CTACCGAGAGTCTGGAAGCCGGAGACAATAGCCAGTTCGCTGGAGGAACCTCTTTTCTGCATCAACCT  
 CCTGAGGCTGCTCAATAAGCTGACCAAAATGGAAGCATTCCAGGACCATGATGTTAGTGGTGTAAAGTCA  
 GCTCCAATCTTAAAGCGAGCTCTCAAAGTCAAACAGGCCATGCTACAACCTTATGTCCTGAAGCTACTAA  
 AGATACAGACCAAGTACCTTGGGCGCCAGTGGAGAAAAAGCAACATGAAGACCATGTGAGCCATTTACCA  
 GAAAGTGGCCACCAGCATGAATGATGACTGGGCTTATGGGAATGACATCGATGCCAGACCATGGGACTTC  
 CAAGCAGAAGAATGTACCTGAGGGCCAACATTGAGGCTTTTAAACAGCCGCGATATGATAAGCCTCAGG  
 ACTCAGAATTCTCACCTGTGGATAACTGCTTGCAGAGCGTGTGGGGCAGAGGCTAGATCTGCCTGAAGA  
 TTTCCATTATTCCTATGAGCTCTGGCTGGAGAGAGAGGTGTTCTCACAGCCCATCTGCTGGGAGGAGCTG  
 CTCAGAATCAC

**ACCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

## Protein Sequence:

&gt;MR213983 protein sequence

Red=Cloning site Green=Tags(s)

MDDPAAPGPAGSPANDNGNGNGNGNGNGGKGPAPVPGRETFRNQRRESEGSVDCPTLEFEYGDSDGH  
AAELSELYSYTNLEFTTNRKCFEEDFRTQVQDTKEWLELEEDAQKTYVMGLLDRLEVVSREKRLKVARA  
VLYLAQGTFGECDEVDLHWSRYNCFLLYQMGTFSAFLELLHMEIDNSQASSALRKPAVSIADSTELR  
VLLSVMYLMVENIRLEREIDPCGWRTARETFRELSFSTHNEEPFALLLFSMVTKFCGLAPHFPIKKVL  
LLLWKVVMFTLGGFEHLQALKIQKRAELGLPPLAEDSIQVVKSMRAASPPSYTLDLGEQLAPPPSKLRG  
RRGSRRQLLTKQDSLDIYNERDLFKTEEPATEEEEEESAADGERTLDGELDLEQDPLVPPPPSQTPLSTD  
RVAFPGLPWAPKVRQKDIEHFLEMSRNKFIGFTLGQDQDTLVGLPRPIHESVKTLLKQHKYISIAIQIK  
NEEELEKPLSLGEEVVPETPSEILYQGMLYSLPQYMIALLKILLAAAPTSKAKTDSINILADVLPPEMP  
VTVLQSMKLGIDVNRHKEIIVKISALLLLLLKHFKLNHIYQFEYVSQHLVFANCIPLILKFFNQNILSY  
ITAKNSISVLDYPCCTIQDLPELTTELEAGDNSQFCWRNLFSCINLLRLLNKLTKWKHSRTMMLVFKS  
APILKRALKVKQAMLQLYVLKLLKIQTLYLGRQWRKSNMKTMSAIYQVHRHMNDWAYGNIDARPWDF  
QAEECTLRANIEAFNSRRYDKPQDSEFSPVDNCLQSVLQQLDLPEDFHYSYELWLEREVFSQPICWEEL  
LQNH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

## Restriction Sites:

Sgfl-Mlul

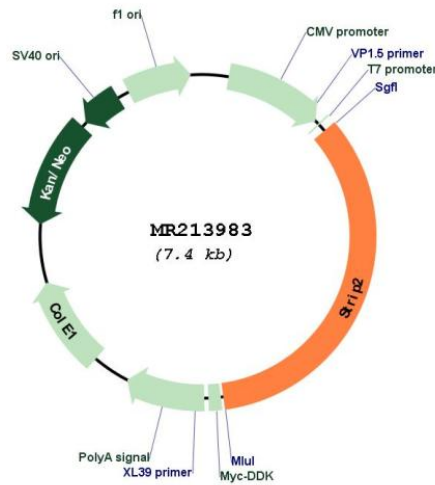
Cloning Scheme:

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

Plasmid Map:



<b>ACCN:</b>	NM_177204
<b>ORF Size:</b>	2532 bp
<b>OTI Disclaimer:</b>	<p>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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_177204.3</a> , <a href="#">NP_796178.2</a>
<b>RefSeq Size:</b>	5370 bp
<b>RefSeq ORF:</b>	2535 bp
<b>Locus ID:</b>	320609
<b>UniProt ID:</b>	<a href="#">Q8C9H6</a>
<b>Cytogenetics:</b>	6 A3.3
<b>MW:</b>	96.3 kDa
<b>Gene Summary:</b>	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]