

Product datasheet for MC224922

Sipa1I3 (NM_001081028) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sipal13 (NM_001081028) Mouse Untagged Clone
Tag: Tag Free
Symbol: Sipal13
Synonyms: 2610511M17Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC224922 representing NM_001081028
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACCACCTATCGGCCTCTTCCTAATGATGGTGTGGACCTGGCAGCCAGCTGTGGGGCCAGGAGCACCG
 ATATCCTCCCTGGGCCACCCTGGGGACTACACTCCCATGGGATTCTGGGCCAGAATGGCAGCATGCC
 CCAGCCTCTTGGTGAGAGCCCAGCTGCTACCACTACCCGCCCTAGCCCCACCACCCCGCCATGCCAAG
 ATGGGAGTACGTGCCAGAGTGGCTGACTGGCCACCCAAGCGAGATGCCCTGAGAGAACAGAGCAATCCCA
 GCCCTCAACAAGACACAGATGGTGTGAAGACCACCAAGGTAGCCATTCCATGAGGAACCTACAGAATGG
 ACAGCTCCCTCCAGCACCCCGGCTTCCCTCAGGATCCAGAGCCTTCCATCGACTGTCCAGGAGAAGGTCC
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 GCAGCAGCGAGATCACCTCAGTGTGATGTAGAGGAACAGGAGACCCACGGGGACCCCGGCACCC
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 AGTTTCTTTGACATCCTCAATGAGTCCGACGAGCAGCCAGAGGCTCGGGGCTCCAGAACCTCAGGG
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 AACAGGGTGTCCGTGGCCAGAGGCGCAACACCACCCTGGGGCCTCAGCGGCCTCAGCAGCCTCAGCCA
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 TTTGAACTGCAAAGAGAACCTGGAGCAGGACCTGGGGGACGACAATAGCAATGACCTGCTACTTAGCTGC
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 CCCCGGGGGCAGCAGCGAGGCCACATGGCTGAGCCACCCCTGAGCACCCACCGTACAAATGCCAGCAT
 CTCCGTGCTGGAGGTGCCAAGGAGCAGCAGAGGACACAGAGCCGGCCAGGCAGTACAGCATCGAGCAC
 GTGGACCTGGGCCTCGTACTACCAGGACTACTTTGTGGGCAAAGAGCATGCCAATTACTTTGGCGTGG



ATGAAAAGCTGGGGCCCGTGGCCGTGAGCATCAAGCGGGAGAAGCTGGAGGACCATAAGGACCACGGACC
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GCCACTCTACGGCCACCAAGCACGGGACAGGGCGGGCCCTACCCCTGAAGGATGCTCTGGAGTACGTCA
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GCTCGATGAGCAAGGGCTGTGCCGAAGCACAAGTCCGGCATCCTGTACTGCAAGCGGGCCAGAGCTCA
GAGGAGGAGATGTACAACAACGAGGAAGCCGGCCCTGCCTTCGAGGAGTTCCTGGACCTTTGGGCGACA
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GTGGCTGAAGTGGAGGACTATGGGTTTGCCTGGCAGGCTGGCCTCCGGCAAGGCAGCCGGCTGGTAGAGA
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GAGTCCCTCCCTACCGACAGCCTTCTGGGAGTCTCCACCCAGGCTCTGCCACCTACGCAAGATAAA
GCCTTCTCCTGAAAGGTACGACGCTGCCCCACACCCTCTGCTGTCGTTTGACCCTCACTTATGACAGT
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AGCCATTCAGCAGCAACACCCTCTCCAGCAACGCTCCAGCAGCCATAGTGATGACCGATGGTTCGACC
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CCTCCCGAAAATATAGGTCTTTGTGGCGGGGGCGAGAGTCCGGCCGGGAGACCCACCCCTGTGGACAGAC
GGCGGGAAGTGTCCCCTGCACCTGTGGTGGCCGGCCAGAAACAAGGGCTACCGGCCGAAGCTGACTCTTC
GGGCTCCTGCACTCCTCCAGGCTGGTGGGGGGCAGCCGAGACCCACCAAGGCAACCCAGTGACATGGGC
TCCAGGGCCGGTACCCCACTCAGTTTACAAAACAGCCAGTGCAGAGACTCCCGGCCCTCCAGCTCT
CTCAGTGCAGCCCTTCCAGCTCTCCACCTCCGTCCTCCCAAGTCTTCTTCTCCAAGCAGCCCGCACAAA
CAAGCATTCAACAGGATGGAAGAGGACAGACGAGCCCCACCACGGCCACTCCCTTCACTGACAGCAAG
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GGTCCCCACGGAAGAACAAGTCCGACCATCGAGGACGACCTAAAGAAGCTCATCGTATGGACAACCT
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AGCCTGTGTAGCGGGCGCCGGAACCCAGCTTTGCCAGCCCTGCCAGCCTGGAGCCCGGCTGCCAGCG
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CCACCCACCCAGCGGGGACCCAGCACCTCCAGCCACTGGCAATGGCTTCCAGAGAAGAAATCTGCC
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TGCCGCTACCGGACACGGCCGCTGGTCTTGAATGGTCCAGCTGGTGAATGCTGCCAAGGCCACGAAGT
GCAAAGAGCTGTGCACTCTTCTCTGAAACGACCCAGCCCTGAGCCAGAGATCCCTCCTGCACACAGC
CCTGTGCACAGCCATCTGAGCCTGGAGCGGGGCCCCAGACTCCAAGAGCCACTCCACCATGAGCGAGG
AGTCAACCCTGGATCTGACAGGCAAGGTGTACCAGCTGGAGGTGATGCTGAAGCAGCTGCACACGGACCT

GCAGAAGGAGAAGCAGGACAAGGTGGTGCAGTCCGAGGTGGCCAGCCTGCGGCAGAACAACCAGCGA
 CTGCAGGAGGAGTCGAGGCCGCCAGTGAACAGCTGCGCAAGTTCGAGAGCTCTTCAGCAGGGAGAAGA
 AGGAGCTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001081028
- Insert Size:** 5331 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:**
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_001081028.1](#), [NP_001074497.1](#)
- RefSeq Size:** 7713 bp
- RefSeq ORF:** 5331 bp
- Locus ID:** 74206
- UniProt ID:** [G3X9J0](#)
- Cytogenetics:** 7 B1
- Gene Summary:** Plays a critical role in epithelial cell morphogenesis, polarity, adhesion and cytoskeletal organization in the lens (PubMed:26231217).[UniProtKB/Swiss-Prot Function]