

Product datasheet for MC225209

Svil (NM_153153) Mouse Untagged Clone

Product data:

| | |
|----------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Svil (NM_153153) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Svil |
| Synonyms: | AU024053; B430302E16Rik |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |
| Fully Sequenced ORF: | >MC225209 representing NM_153153 Red=Cloning site Blue=ORF Orange=Stop codon |

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAAAGAAAAGAAAGAATTGCTAGGCGCTTAGAAGGAATAGAAAATGACTCCCAGCCCATCTGTTC
AGAGCTGCACAGGGCTAGTGACTCATCGGTGCTAGAAGAAGACACCCAGATACATGCGTGCCACAGA
CCCTGCAAGCCCTCATATTGGGCGATCCAAAGAAGAGGAAGACTCCTGGGTCTCCCTAGAAAAGCAA
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AGTCCAAAGCGGAAAGGATCGAAAGATACAAAGCAGAGAGGAGGCGGCAGCTGGCCGAAAAGTACGGGCT
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CAGAGTCAGGGCCAGGACCAGCTTGGTGGCGTCCCAGGACTGTACCCGCTGGGAAGCAATATGTCTGA
CCAGGAGCAGCTGCTCAATGTGGAGAACCAGAGAAGAGTCCAAGATCCCCACTAGGAGAAGATGGCTCC
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CACCAGTCAACAGCCAGCCTCCCCAAACCACCCGGTGACTCACCAGTCCCACAGAGCCCGAGCCAG
TACAGGGAAGCCACACATGAGTGGTTTTCTGCAGAGAGATTCTGAAGGCGATACACCTTCACTTATCAAC
TGGCCTTCCAGAGTTAAAGTTAGAGAAAAATTGGTGAAGAGGAGAGTGCTCGCAGCAGCCCTGAACTCA
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GTCCCCCTCAGCTCCAGGTCCCCAGACACAAGGATGAAGCCCCAAGCCAGGAGCTGGAGCTGCAGAGTTC
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CATCGGGCAGTTCACGAGGGGGACGCCTATGTGGTCAAGTGAAGTACATGGCAAGTACAGCAGTGGGA
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 GCCGGCACTCGACCGTGAGTGAGAAGGGAACTGAGCTCTCATGACAGTAGAACTGGATGAAGAGAGGGG
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 GGCCACCCCAAGTCTTACCTTATTCATGCTGGGCTAGAGCCCTGACATTACCAACATGTTTCCCAG
 CTGGGAACACAGAGAAGCATTGCTGAAATCACAGAAATGGATACTGAAGTTTCAAACCAGATCACCTTG
 GTGGAAGATGTATTAGCCAAGCTCTGTAACCATCTATCCACTGGCAGATCTGCTTGGCAGGCCACTCC
 CAGAGGGGGTCGACCCTCTAAAGCTTGAGATTTATCTCACAGATGAAGACTTTGAGTTTGCACCTCGACAT
 GTCCAGAGATGAATCAATGCACCTGCCACCTGGAAGCAAGTGAACCTGAAGAAGTCAAAGGGCCTATTC
 TGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_153153
- Insert Size:** 6513 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_153153.3](#), [NP_694793.1](#)
- RefSeq Size:** 7424 bp
- RefSeq ORF:** 6513 bp
- Locus ID:** 225115

UniProt ID: [Q8K4L3](#)

Cytogenetics: 18 A1

Gene Summary: Isoform 1: Forms a high-affinity link between the actin cytoskeleton and the membrane. Is among the first costameric proteins to assemble during myogenesis and it contributes to myogenic membrane structure and differentiation. Appears to be involved in myosin II assembly. May modulate myosin II regulation through MLCK during cell spreading, an initial step in cell migration. May play a role in invadopodial function.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) encodes the longer isoform (a).