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Product datasheet for SC309101

Shroom 3 (SHROOM3) (NM_020859) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: Shroom 3 (SHROOM3) (NM_020859) Human Untagged Clone

Tag: Tag Free

Symbol: Shroom 3

Synonyms: APXL3; MSTP013; SHRM; ShrmL

Vector: pCMV6 series

Fully Sequenced ORF:

>NCBI ORF sequence for NM_020859, the custom clone sequence may differ by one or more nucleotides

ATGATGAGGACCACTGAAGACTTCCACAAGCCTAGTGCCACATTAAACTCTAACACGGCC
ACCAAGGGAAGGTACATTTATCTGGAGGCATTCCTGGAGGGAGGAGCTCCCTGGGGTTTT
ACTCTAAAGGGTGGCCTGGAGCACGGAGAACCATTAATCATCTCTAAGGTCGAAGAAGGG
GGCAAAGCAGACACCCTGAGCTCCAAACTGCAGGCTGGGGATGAGGTTGTGCACATCAAT
GAGGTGACTCTGAGCAGCTCCAGAAAGGAGGCAGTTTCCCTGGTGAAAGGATCCTACAAG
ACCCTCAGGCTGGTAGTGCGCAGAGATGTGTGCACAGACCCAGGCCATGCAGATACTGGT
GCCTCTAACTTCGTCAGCCCAGAACACCTCACCTCTGGCCCCCAGCACAGGAAAGCAGCG
TGGTCAGGAGGGGTTAAACTTCGGCTGAAGCACAGGCGCAGTGAGCCTGCAGGCCGACCT
CACTCGTGGCACACAACTAAATCTGGGGAGAAGCAACCCGATGCCAGCATGATGCAGATA
TCTCAGGGTATGATCGGCCCTCCTTGGCACCAAAGCTACCATTCCAGCTCCTCTACTAGT
GACCTCTCCAACTATGACCATGCTTATCTAAGGCGGAGCCCTGACCAGTGCAGCTCCCAG
GGGAGCATGGAGAGCCTGGAGCCCAGTGGGGCATACCCACCCTGTCATCTTTCCCCTGCC
AAGTCCACCGGCAGCATTGACCAGCTCAGCCACTTCCATAACAAGAGAGACTCGGCTTAC
AGCTCTTTCTCCACCAGTTCTAGCATCCTAGAGTATCCACACCCTGGCATCTCTGGCCGG
GAGCGTTCAGGCTCCATGGACAATACTTCTGCTCGAGGTGGCCTCCTCGAAGGGATGAGG
CAGGCAGATATTCGCTATGTCAAGACAGTCTATGACACCCGGAGGGGAGTCTCAGCAGAG
TATGAGGTGAACTCTTCAGCCCTGCTGCTTCAAGGTAGGGAGGCCCGAGCCTCAGCAAAT
GGTCAGGGCTATGATAAATGGTCTAATATTCCTCGGGGCAAGGGAGTGCCACCCCCATCC
TGGAGCCAGCAGTGCCCCAGTTCCTTGGAGACTGCCACGGACAACCTTCCTCCTAAGGTG
GGTGCACCCCTGCCTCCAGCTCGGAGTGACAGTTACGCAGCATTTCGGCACCGTGAGCGG
CCCAGCTCCTGGTCTAGCCTTGATCAGAAACGGCTCTGCCGGCCTCAGGCAAACTCTTTA
GGCTCCCTGAAGTCTCCATTCATAGAGGAGCAGCTGCATACTGTGCTGGAGAAGAGTCCA
GAGAACAGCCCCCCAGTGAAGCCCAAGCATAACTATACCCAGAAGGCCCAACCTGGCCAA
CCTCTGCTGCCGACCAGCATCTACCCGGTACCTTCCCTGGAGCCACACTTTGCCCAGGTG
CCTCAGCCTTCTGTGAGTAGCAACGGTATGCTCTACCCTGCACTGGCCAAGGAGAGTGGA
TACATAGCCCCTCAGGGAGCATGCAACAAGATGGCTACCATTGATGAGAATGGGAACCAG
AATGGATCTGGCAGGCCTGGGTTTGCCTTCTGCCAGCCCTTAGAACATGACTTGCTGTCC
CCAGTGGAGAAGAAACCAGAAGCTACAGCCAAGTATGTCCCCTCCAAAGTCCATTTCTGT
TCAGTGCCTGAAAATGAGGAGGATGCCTCCCTGAAGAGACATCTCACACCTCCCCAAGGC

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AACAGCCCACATTCCAATGAGAGAAAGAGCACCCACAGTAACAAACCATCTTCTCATCCC
CACAGCCTCAAATGCCCTCAGGCTCAGGCCTGGCAAGCGGGTGAAGACAAGAGATCTTCC
AGGCTCTCAGAGCCCTGGGAGGGCGATTTCCAGGAAGACCACAATGCCAACCTCTGGAGG
AGGCTGGAGAGAGAAGGCCTAGGCCAGAGCCTGTCAGGCAACTTTGGCAAGACCAAGTCA
GCCTTCTCATCTCTCCAGAACATTCCTGAGAGTCTGAGAAGACACAGCAGCCTGGAGCTA
GGCCGGGGAACCCAGGAGGGTTACCCCGGGGGCAGGCCCACCTGTGCAGTCAACACCAAG
GCAGAAGACCCTGGGAGGAAAGCCGCTCCTGACCTCGGGAGCCATCTGGACCGGCAGGTT
TCCTACCCGCGGCCCGAGGGGAGGACCGGTGCCTCGGCTTCTTTCAACAGCACAGACCCA
AGTCCCGAAGAGCCGCCTGCCCCCTCGCACCCGCACACATCCAGTCTGGGCCGGAGGGGG
CCCGGCCCAGGCAGCGCCTCGGCTCTTCAGGGCTTTCAGTACGGGAAGCCCCACTGCTCG
GTGCTGGAGAAGGTCTCCAAATTCGAGCAGCGAGAGCAAGGGAGCCAGAGACCGAGTGTG
GGCGGCTCTGGTTTTGGCCATAACTATAGGCCCCACAGGACCGTCTCAACTTCCAGTACT
TCTGGGAATGACTTCGAGGAGACAAAAGCACACATTCGTTTCTCTGAGTCAGCTGAACCC
CTAGGCAACGGGGAGCAGCACTTCAAAAACGGGGAGCTGAAGTTGGAAGAGGCTTCCCGG
CAGCCCTGCGGTCAGCAGCTGAGCGGAGGAGCGTCGGACAGCGGCCGTGGCCCCCAGAGG
CCGGACGCTCGGCTCCTCCGTAGCCAGAGCACCTTCCAGCTCTCCAGCGAGCCAGAGAGG
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AGCCGCGCCTACCGGAACAGCATCAAGGACGCACAGTCCCGTGTCTTGGGGGCCACCTCC
TTTCGACGTCGAGACCTGGAGCTGGGGGCGCCCGTGGCGTCGAGGTCCTGGCGGCCACGG
CCTTCCTCGGCCCACGTGGGGCTGCGGAGCCCCGAGGCGTCGGCCTCCGCCTCCCCGCAC
ACGCCCCGGGAGCGGCACAGCGTGACCCCTGCTGAGGGCGACCTGGCCAGGCCCGTGCCC
CCTGCCGCCCGGAGAGGTGCTCGCCGGCGCCTGACTCCCGAGCAGAAGAAGCGCTCCTAC
TCGGAGCCCGAGAAGATGAACGAGGTGGGGATCGTGGAGGAGGCCGAACCGGCACCCCTG
GGCCCGCAGAGAAATGGGATGCGTTTCCCGGAGAGCAGCGTGGCCGACCGGCGCCGTCTC
TTCGAGCGCGATGGCAAGGCCTGCTCCACGCTCAGCCTGTCGGGGCCCGAGCTGAAGCAG
TTCCAGCAGAGCGCCCTGGCGGACTACATCCAGCGCAAGACCGGCAAGCGGCCTACCTCC
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CTCCAGCCCGGCCCCGCGGCGCTCGAAGGCTCCGGCCTCGCCTCGGCCTCCAGCTTGAGC
TCACTGCGGGAGCCCAGCCTGCAGCCCCGCAGGGAGGCCACGCTCCTGCCGGCCACAGTT
GCAGAAACCCAGCAGGCTCCCCGAGATCGCAGCAGCTCCTTCGCCGGTGGCCGCCGCCTC
GGGGAACGGCGACGCGGGGACCTGCTTAGCGGAGCAAACGGTGGAACAAGGGGCACCCAG
AGAGGGGATGAGACCCCCAGGGAGCCATCCTCCTGGGGGGCCAGGGCCGGGAAGTCCATG
TCGGCCGAGGACCTGCTGGAACGCTCGGACGTCCTTGCGGGCCCTGTCCATGTGAGGTCC
AGGTCATCTCCCGCCACCGCAGACAAGCGCCAGGATGTGCTTTTGGGGCAAGACAGTGGC
TTTGGTCTTGTGAAGGATCCATGTTATTTGGCTGGTCCTGGATCTAGGTCACTCAGTTGT
TCAGAAAGAGGCCAAGAAGAGATGCTGCCGCTCTTCCACCATCTCACCCCTCGTTGGGGT
GGTTCAGGCTGCAAAGCCATTGGTGATTCCTCCGTTCCTAGTGAATGTCCTGGAACCCTG
GACCATCAGAGGCAAGCCAGTAGGACACCCTGCCCCAGGCCACCACTGGCAGGAACGCAA
GGGCTGGTCACAGACACCAGGGCTGCACCCCTGACCCCAATTGGCACCCCTCTGCCTTCA
GCCATTCCCTCTGGCTACTGCTCACAGGACGGTCAGACAGGGCGACAGCCTCTCCCGCCC
TACACCCCTGCCATGATGCACAGAAGCAATGGTCACACCCTGACCCAGCCTCCCGGTCCA
AGAGGCTGTGAGGGCGATGGCCCAGAGCATGGGGTAGAAGAGGGAACGAGGAAGAGGGTC
TCGCTGCCTCAGTGGCCACCTCCTTCTCGAGCAAAGTGGGCCCACGCAGCCAGAGAGGAC
AGCCTTCCTGAGGAATCCTCAGCCCCTGATTTTGCAAACCTGAAGCACTATCAAAAACAG
CAGAGTCTTCCAAGTTTATGCAGCACTTCTGACCCAGACACACCTCTTGGGGCCCCGAGC
ACTCCAGGGAGGATCTCCCTCCGAATATCTGAGTCTGTCCTGCGGGACTCCCCGCCACCT
CATGAGGATTATGAAGACGAAGTGTTTGTGAGGGATCCGCACCCCAAGGCCACGTCCAGC
CCCACATTTGAACCTCTTCCCCCACCCCCACCTCCTCCACCGAGTCAGGAAACCCCGGTG
TATAGCATGGATGACTTCCCTCCACCTCCTCCCCACACTGTATGTGAGGCGCAGCTGGAC
AGTGAGGATCCCGAGGGGCCACGCCCCAGCTTCAACAAACTTTCTAAAGTGACAATTGCA
AGGGAAAGGCACATGCCTGGTGCAGCCCATGTGGTAGGTAGTCAGACACTGGCTTCCAGA
CTCCAAACTTCTATCAAGGGTTCAGAGGCTGAGTCCACACCACCCTCCTTCATGAGCGTT

CACGCCCAACTTGCTGGGTCTCTTGGTGGGCAGCCAGCACCCATCCAGACTCAAAGCCTC
AGCCATGATCCAGTCAGTGGAACTCAGGGTTTAGAAAAGAAAGTCAGTCCTGATCCTCAG
AAGAGTTCAGAAGACATCAGAACAGAGGCTTTGGCCAAGGAAATTGTCCACCAAGACAAA
TCTCTAGCAGACATTTTGGATCCAGACTCCAGGCTGAAGACAACAATGGACCTGATGGAA
GGTTTGTTTCCCCGAGATGTGAACTTGCTGAAGGAAAACAGTGTAAAGAGGAAGGCCATA
CAGAGAACTGTCAGCTCTTCAGGATGTGAAGGCAAGAGGAATGAAGACAAGGAAGCAGTG
AGCATGTTGGTTAACTGCCCTGCCTACTACAGTGTGTCTGCTCCCAAGGCTGAGCTACTG
AACAAAATCAAAGAGATGCCAGCAGAAGTGAATGAGGAAGAGGAACAGGCAGATGTCAAT
GAAAAGAAGGCTGAGCTCATTGGAAGTCTCACCCACAAGCTGGAGACCCTCCAGGAGGCG
AAGGGGAGCCTGCTCACGGACATCAAGCTCAACAACGCCCTGGGAGAAGAGGTGGAGGCT
CTGATCAGCGAGCTCTGCAAGCCCAATGAGTTTGACAAGTATAGGATGTTCATAGGGGAT
TTGGACAAGGTGGTCAACCTGCTGCTCTCCCTCTCGGGGCGTCTAGCCCGTGTTGAGAAT
GTCCTTAGCGGCCTTGGTGAAGATGCCAGTAATGAAGAAAGGAGCTCTCTTTACGAGAAA
AGGAAGATCCTGGCTGGTCAGCATGAGGATGCCCGGGAGCTGAAGGAGAACCTGGATCGC
AGGGAGCGAGTAGTGCTGGGCATCTTGGCCAATTACCTTTCAGAGGAGCAGCTCCAGGAC
TACCAGCACTTCGTGAAAATGAAGTCCACGCTCCTCATTGAGCAACGGAAGCTGGATGAC
AAGATCAAGCTGGGCCAGGAGCAGGTCAAGTGTCTGCTGGAGAGCCTGCCCTCAGATTTC
ATTCCCAAGGCTGGGGCCCTGGCTCTGCCCCCAAACCTCACGAGTGAGCCCATTCCTGCT
GGGGGCTGTACTTTCAGTGGTATTTTCCCAACATTAACCTCTCCACTTTAA

Restriction Sites: Please inquire

ACCN: NM_020859

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_020859.1, NP_065910.1

RefSeq Size: 7557 bp

RefSeq ORF: 5988 bp

Locus ID: 57619

UniProt ID: Q8TF72

Cytogenetics:	4q21.1
Domains:	PDZ
Gene Summary:	This gene encodes a PDZ-domain-containing protein that belongs to a family of Shroom-related proteins. This protein may be involved in regulating cell shape in certain tissues. A similar protein in mice is required for proper neurulation. [provided by RefSeq, Jan 2011]