

## Product datasheet for **SC329180**

### **SHROOM1 (NM\_001172700) Human Untagged Clone**

#### **Product data:**

|                           |                                             |
|---------------------------|---------------------------------------------|
| Product Type:             | Expression Plasmids                         |
| Product Name:             | SHROOM1 (NM_001172700) Human Untagged Clone |
| Tag:                      | Tag Free                                    |
| Symbol:                   | SHROOM1                                     |
| Synonyms:                 | APXL2                                       |
| Mammalian Cell Selection: | None                                        |
| Vector:                   | <u>pCMV6-XL5</u>                            |
| E. coli Selection:        | Ampicillin (100 ug/mL)                      |



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001172700, the custom clone sequence may differ by one or more nucleotides

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ATGGAGGCCCTGGGACCTGGGGGCGACCGCGCCTCCCGGCCCTCGTCCACTAGCAGCCTG
GACCTGTGGCATCTGTCCATGCGCGCGGACTCGGCCTACAGCTCTTTCTCCGACGCTCC
GGCGGCCCGGAGCCGCGCAGCAGTCCCGGGGACAGACCTCCTTCTTACCTAGACTGG
GACTACGTGCGTGTGGTTTGGGGCGGCCCGGCCCGCCCGCCGACGCTGCCCTTTGC
ACATCCCCGCGGCCCGGCCCGGTTGACGCCGAGTGGGCCGAGCCAACAGAGGTC
CCGGGGACCCCGGGACCACTGAACAGGCAGGCCACCCCGCTGCTGTACGCGCTGGCGGCC
GAGGCGGAGGCCGCGGCGCAGGCTGCCGAGCGCCAGCCCGCCGCCCTCGAGGGCGCC
TACCGCCAGCGGCTTCAGGGCGCGCAGCGGCGAGTGCTCCGGGAGACGTGTTCCAGCGC
AAGGAGCTCCGCATGAGCCTGCCCGCCGCTGCGGCCCACTGTCCAGCGCGGCCCGCG
GCGACTCACCCGCGCTCCGCCTCGCTCAGCCACCCGGCGGGGAGGGGAGCCGGCGCGC
TCCCGGGCTCCCGCGCCAGGAAGTCCCGGCCGGGTCCCTCGCCAACAGCAGCGGAAG
TGGTGCTTCTCAGAGCCAGGAAAGCTGGATCGTGTGGGTGGGGCGGTGGGCCGGCGCG
GAATGCCTGGGTGAGGCCTGCTCAGCTCTGGCCTCCCTGGGCCGAGCCCTTGAGTTT
CAGCATCCGGCGCTGGCTAAGTTTGAAGATCACAGGTCGGATGGCTGCCCGAGACGCAA
CCCCAAGGCTCCATGAACCTGGACTCCGGGTCTTGAAGCTCGGTGATGCCTTCAGGCC
GCCAGTCGGAGTCGGAGCGCTTCAGGCGAAGTCTTGGGTTCTGGGGAGGATCAGGAGG
ACCATACCCATTGTCCAGGCTGTTCCCAAGGAGCAGAAACCCCGAGACATTGTTTCAG
ACCAAATTTCCAGGTTCTTGCTCAGAAAGAGGCTGCGGTGATGTATCTGCAGAGTTA
CCCCAGAGCAGCCCTGCTGACAGTGAACAGAGGGTCTCAGAGACCTGCATTGTGCCTGCC
TGGCTCCCCTCCCTTCTGATGAAGTGTCTAGAAGAGGCCCACTGGTCAGAAATGAGA
TACCACAGACCCCATGCCTCCAGGGGCCCGCAGCAGTGTCCATGCCTCTGACCAG
CCGTATGGAACTGGCTTAGGCCAAAGAACTGGCCAGGTTACAGTCCCCACAGAGTACCCG
CTCCATGAGTGTCCAGGAAGTGCAGGGGAGATGACTGCTGGCAGGGGGTGAATGTTCT
GTAGGTATTTCCAGGCCACAAGCCACACCCCACTGGGACTGCAATGATAACATCCCA
ACTATTGACCCCACTGGACTGACCACCAATCCCCCACAGCTGCAGAGAGTGACCTCCTC
AAACCTGTCCCAGCTGATGCCTTGGGACTTTAGGCAATGATACTCCAGGTCCCTCTCAC
AATACTGCCCTAGCCAGGGGCACTGGCCAGCCTGGTTCAGGCCACATGGCCTAGTCAG
TGCTTCGAGGAGCTGGTTCAGGAGCTGGCCAGATTAGATCCCTCTCTATGTGACCTCTT
GCTTCCCAGCCCAGCCAGGCCACCCCTGGGCCTGCTGGATGGACTGATTCCTTTAGCA
GAGGTCCGGGCTGCAATGCGGCCTGCCTGTGGGAGGCTGGAGAGGAGGCTGCCAGTACT
TTTGAGCCAGGGTCTATCAGTTCAGCTTCACCCAGCTCCTGCCGGCTCCTCGGGAGGAG
ACAAGGCTTGAACACCTGCCACCCACCCCTGTGCTTGACCAGCCATGTGGGCAGGGGCTC
CCTGCACCAACAACAGCATCCAGGGCAAGAAAGTGGAGCTGGCCGCCCGCCTCCAAAG
ATGCTTCAGGACCTTCACACGGAGCAGGAGCGGCTGCAGGGGAGGCACAAGCGTGGGCC
AGGCGCCAAGCGGCTCTGGAGGCTGCAGTGCGCCAGGCCTGTGCCCTCAGGAGCTGGAG
CGGTTACGCCGTTTCATGGCCGACCTAGAGCGCGTGTGGCCTTCTGCTGCTGCTGGGC
AGTCGCTGGCGCGCTGCGCCGCGCCCTGGCCCGGGCGGCTCAGACAGCGACCTGAT
GAGCAGGCCTCCCTGCTGCAGGACTCCGGCTCCTGCAGCGGCAGGAGGAGGACGCCAAG
GAGCTGAAGGAGCAGTACGCGCGCGAGCGGGCGGTGCGGGAGGTGCTGGTGCAGCA
CTACCGGTGGAGGAGTGCAGCTCTATTGCGCCCTGCTGGCGGGCAAGGCCGCGCTCTG
GCCAGCAGCGCAACCTGGACGAGCGCATCCGCCTCCTTCAGGACCAACTGGACGCCATC
AGGGACGACCTTGGCCATCATGCCCCGTCTCCAGCCCGCGCGGCCCGCCAGGGACCTGT
CCTCCAGTTCAGCGCCCTTCCCTCTTCTCCTTACATAG

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**Restriction Sites:** Please inquire

**ACCN:** NM\_001172700

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|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>OTI Disclaimer:</b>        | 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).                                                                                                                                                                          |
| <b>OTI Annotation:</b>        | 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.                                                                                                                                                                                                                                                      |
| <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>                | <u>NM_001172700.1, NP_001166171.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>RefSeq Size:</b>           | 4039 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>            | 2559 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Locus ID:</b>              | 134549                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>UniProt ID:</b>            | <u>Q2M3G4</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Cytogenetics:</b>          | 5q31.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Protein Families:</b>      | Druggable Genome                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Gene Summary:</b>          | <p>SHROOM family members play diverse roles in the development of the nervous system and other tissues (Hagens et al., 2006 [PubMed 16615870]).[supplied by OMIM, Mar 2008]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>                                                                                                                                                                                                                        |