

Product datasheet for **RN207087**

Shroom2 (NM_001047893) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Shroom2 (NM_001047893) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Shroom2
Synonyms:	Ab2-404; Apxl
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN207087 representing NM_001047893 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGGCGCCGAGCCCGTGCACGGCCGAGCGCTTGGCTGAAGCTGAGGCGGGCGACCGACGGCG
TCCGTCTGGTGGAGGTGCAGCTGAGCGGGTGCCCTTGGGGCTTACCTTGAAGGGCGGCCGCGAGCA
TGGTGAGCCTCTGGTCATCACCAGATCGAAGAAGGAAGCAAAGCTGCATCAGTGGACAAGCTTCTTGCT
GGAGATGAGATAGTGCCATCAATGATGCTACTCTCTCAGGGTTCAGACAAGAAGCAATTTGCTGGTGA
AAGGCTCCCAAGACCCTCAAGCTTGTGGTCAAAGGAAAAGTATCCAAGTTGGAGGCCTCACTCCTG
GCATGCTACCAAGTACTTCGATGTCACCCCTGAGCCACCAAGTCTCACTGTTTCTGAACTCCAGCAGTTC
CCTTCTGGAAGAGCCAGCACCAGGCTAGTTCTTCTCCCATGATTTATCTGGCTCATGGGAGCACACCA
GCCTACAGCGCACTTCTGACCACTTCAGCTCCATGGGCAGCATAGACAGCCTGGACCACAGCTCCCAGCT
CTACCATCTGGTCACCTCTCATCTGCCAAGTCCAACAGCAGCATTGACCACCTGGGTGGCCATAGCAAG
CGAGACTCGGCTTATGGCTCCTTTCCACCTGTTCCAGCACCCCTGACCACCTTGCCAAAGGCTGACG
CCTCATCCACTGAGAATTTCTTACAAAGTTGGCCTTTGGGAGGCTTCCAGGCCAGGCAGCAGCCGACA
AAGCCAGTCTACAGGTGATCCTCAGGACTACAGGACAGGCCATCGTCTTCTTACCTAGGGTTCCTGGT
AACAGTAGTAAAAGCCCAAGGCCGAGGATAAATTGAGCCCAAAATAGCAACTTCTGGGAGATCCCAATT
TTGGGCCTGTCTGGTATGTTCTGTGATAAGAAAAAGCCCTTCTCCCCACCTCTTGACTTCTTTGCG
CAGTGATAGCTTTGCTGTGGCAGCCAGGGCCATGAAAAGGCTCGGGGCCCTCCATTCTCAGACTTGGCC
AGCATGCAGCACTTTACCACCCTGCCTCATGTACAACCCGGGGAGACCGAGAATGAAACTACTGATC
GACAGTGGAAAGCTTGACACCCAAGCAGTGGCAAAGAAATAGGTAATGTGGGTTACCAGCCAGAAGGCCA
CCTGGATTGCCGTTGGCTGTGCTCTGATGATAGGGCAGGTAGGCCCTCAGGAGCTCCAGGAAGACACCAG
TTCTCCCTGTCCAGCACAGATGTGCACTTTCTGAAGTCTTACCATGGGAGCCAACACCCACAGCCGTGCA
GTGATGAGAGCCCAAGATTCCCCTCATCACCAGGGAATTGCTTCGATAAATCCTAGTGGATGTCTGCA
GGAGCCTCTGAACTGTCTCAGGATGACAACCCTGCTCAGGTGAGGTGGCCCGTCTGTAAACAGAAG



[View online >](#)

CTAGATGACAGAGGGCGGAGCCACTATTTTTCTGTGCCCCACAGGCAGCCAGTGCACGGGAGTGCCACG
TTTTGATACCCCGAAGTGACTATTGGCATTGACACACAACCTCTGTGGACCTTGAGTGTCTCTCTTACG
CCCAGACCAGAGGGGCTACCCACAGCAGTATGAGGAGACCCAGCCTCTCATGAGAGAGGGCGGTATCAA
CAGCTAAATGCAGGGATTGAAGGCTGCTGCTCAGGAATCCATGAGCCTCTAGAGCCAGCCACACTGTGA
GAGCTGGTCTGCAGTGTCTGGCAATGACTTCAAGTTAGTGGATGCAGAGAGTGAAGAATTTCTCGTCA
GAGAACACCCATGCTGCACTCTCTGACCAAGATGGTGCATGGAGGCTGGGAACAGCAAGGATTGTGGA
AATGAGAAGCCACCCTGCTTGTATGCCAGGTGGTAAACCCACACGGAGGAGTGACCGTTTTGCCACAA
CACTAAGGAATGAGATTGAGATGCGCAGAGCAAAGCTACAGAAGAGCAAAGCACAGTGACATTAGCTGG
AGATAGTGAAGCTGAAGACTGTGCTGGAGACTGGAGAGTTGATGTGGGGCTGTTCCAGAAGGTTCTTTC
CCCAGCACCTATAAAGAGCACCTGAAGGAGGCCAGACACGTGTTCTAAAGGCCACCTCTTTCACACGCC
GAGATTTAGATCCCACCCAGCAGATCAGTATCCAGGACCACCAGAACATAGGACTTGTGACCACAGTGC
CTCATCTCTTTATCTTCTTCCCTGGGGAGCCAGACTCTGCCCTCGCCTCTGTGAAGCAGGTCTGGCC
AAGCCACCCTCTCTGCAGGTGGTGTCCCCACATTCTCGAATTGGAGGCCGAAACGGTTCACAGCAG
AGCAGAACTAAAGTCTATTCTGAGCCAGAAAAATTAATGAAGTGGGGCTTTCAGGGGACCACAGTCC
TCATCCTACTATTAGGACATCTGAGGATTCTGTGGGTACATTTGCTGATAGGTGGAAGTTTTTTGAGGAA
ACAAGCAAATCTTCTCCAGAAGCCAGGCCATAGGCAAGCTTTCTGTGGGATCCCAAGAGAAAAGGCTG
AGAGGCCCTCAAACACAGGGCCATGAGTGTGAGAGTACAGAGCCCTGGTTTCAGAAGAGGTACGGGCCAC
CTTTGTGGAGAGATCCTCAGTGAAGACAGAAAAGTAGAAAAGGCCTCAGAGAAATTGAACCCACCCAGA
AGGCTTGGAACTTTGCAGAATATCAAGCATCTTGAAGGAGCAGAAGAAATCTCTAGAAGCCAGGAGTT
CTGGACGATACCATTGACAGATGATATTCTGGATGCTGGCCTAGATCAGCAGCAGAGGCCACAGTACAT
TCATGAACGGTCTCGTTCATCACCGTCCACAGTCACTATTACAGGAAGTGCCTGTTGAACCAACAGG
CAGGCAGAGGACTCTGGTGGCCAGAAAGAAGCACTTCTTGTACTGCAAGTGAAGAGGGATGCTCTG
TCCAAAGCTCCTGTGCTCAGCAGTGCCAGCCGCAAGACAGCCAGCATGTGAATGAGGACCAACTTC
CCCTCAACCAGAAGCCAGCTCTCTCCAAGTGTCAACACTTACAGACATCAACCATGGAACCTTCTCGC
TCCCTTACCTCAGTTTGCCCCACAGAAGCTGACAGACAAGCCTCCCTGCTTATCCATGAAGACAATT
CAGCAAGAATTGAGCGGGTATGGACAACAACCCACTGTGAAGATGGTGCCTAAAAATTGTGCACTC
AGAAAGCCAGCCTGAGAAGGAAAGCCGCCAGAGTCTCGTTGCCAGCCGAGTGCCTCCGCACTGCCAGT
GGGCTGGAGAAGGACCAGATCAAGACACTGAGTACATCAGAGCAGTGTACTCGCGCTTTTGTGTGTACA
CACGACAGGAGGTGGAACCCCTCATAGAGCCCGCCTCCAGAGCCCGCCACCTAGCACCCCTGCACC
TCCTGTCAGAGATAGCTGTTCTCTCCTCCTCACTCACTATGGGAAGGCCAAGGAGAAGACCGTGGAC
GACTTGAAGTCTGAAGAATTAGCCAGAGAGATTGTGGAAAGGACAAGTCTTTGGCTGACATCCTGGACC
CCAGCGTGAAAACTAAAACCTACCATGGATCTGATGGAGGGAATTTCCCAAAGATGAGTACCTCCTAGA
GGAAGCTCAGCAACGGAGGAAGCTGCTCCCAAAGTCCCTCACCCAGAGTACAGAGGACAAGAAACAG
GACCCAGGTATGCCAGGGGTTGTGTCCTTGCCCAAAATTCTACCTATTATAGCACATCAGCCCAAGG
CAGAAGTCTTATCAAGATGAAGGACCTACAGGAGCCTGAGGAGTATTGACGAGGTGACTTGGATCATGA
CCTTTCATTAAAGCAAGAGCTCATCGACAGTATCAGCCGCAAGCTGCAGGTGCTCCGAGAAGCACGT
GAGAGTCTGCTGGAGGACATCCAAGCCAACAATGCTCTCGGGATGAAGTGAAGCCATTGTGAAAGATG
TCTGCAAGCCCAATGAGTTTGACAAGTCCGGATGTTTATTGGAGACCTGGACAAAGTGGTGAACCTCCT
GCTGTCACTGTGAGGACGCTGGCCGTGTGAAAAATGCCCTTAATAATTTAGATGACAGTCTTCTCCT
GGAGATCGGCAGTCACTGTTGGAGAAACAGAGAGTCTAACTCAGCAGCATGAGGATGCGAAGGAGCTTA
AAGAGAACCTGGACCGTCTGAGCGCATTGTGTTGACATCCTGGCCACCTACCTCAGCGAGGAGAACCT
GGCTGACTATGAGCACTTCTGTAAGATGAAGTCAAGCCCTCATCATTGAGCAGCGAGAGCTGGAAGATAAA
ATCCACCTGGGTGAAGAACAGCTCAAGTGTGTTTGTGACAGCCTGCAGCCTGAGAGAAGCAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001047893
Insert Size: 4476 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:	<ol style="list-style-type: none">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:	<u>NM_001047893.3</u> , <u>NP_001041358.2</u>
RefSeq Size:	6987 bp
RefSeq ORF:	4476 bp
Locus ID:	317435
Cytogenetics:	Xq13