

Product datasheet for MC211311

Sh2d4a (NM_028182) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sh2d4a (NM_028182) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sh2d4a
Synonyms:	2210402M20Rik; SH2A
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC211311 representing NM_028182 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGAGGCAGATACTGTCAGATATGTTTCATAGACCCTGACCTGCTGGCAGAGCTCAGCGAAGAGCAGA
AACAGATCTTGTCTACAAGATGAGAGAGGAACAGATCCGACGATGGAAAGAAAGAGAAGCGCCATGGA
AAGAAAGGAGTCTTGCCAGTGAATCCAGGCCAAAAAAGAGAATGGCAAGTCTGTCCATTGGAAGCTG
GGCGCCGATAAGCAGGTGTGGGTTTGGGTAAATGGGCGAGCACCATCTGGACAAACCCTATGATGTGCTGT
GTGATGAGATCCTTGGGAGAGGGAGCATCTGAGAGCAGCGAAGGATTCAGAGCTCAGGAAAACCTAGTC
TCTAGAACTCGCCAATAGCTTAAAAATAAAGTCAAGAACTGTGATCTGCAAGCAATGAAGAAGACAGAG
CCTCAGAATGTCACCAGGAAAGCAGCTTCAGAAGAGGCATCAGGTCAAGGACCCAGAGCAATACCAACCA
GGAAGGATGACAAAGCCCAAACTAAACCCGTCAAGGAAAAAGACCACGAGGAAATGAAGCAGACAGAGGA
TGAGAAAACCAAGCAGATATAACAAGAGCTGAAAGAAGACTCAGAATGGCAAGCATCTCTGCGAAAATCT
AAGCGGCTGATGAGAAGAGACGCTCTTAGCTAAACAAGCACGGGAAGACTACAAGAGGCTATCCCAA
GGGGGAGGAGTGGGACGGACTGCAGAACCCTGACAGGTCCACAGAAGCCAGAAGACCTCCTCTTCC
TCCGAAGCCCGAGTTCTACAGCCGCTGGGAATCCCTCCAAGTCTTTAGGGAATCAGGGGTGATAAGG
ACCGAGATCAGCTCCGCCAGATGGACACCATTGATGTTCAAAGAGGAACAGTTGCCATTCCGTGCAG
GTTACCAGAAAACTCAGACACCATTGCTCCTTGGTTCCATGGGATTCTCACACTGAAGAAAGCAATGA
ACTTCTGAGCACAGGTGTGCCGGAAAGTTTTTTGATTGAGTCAAGTCAAGGATCAAGGGCTATGCCCTG
TCCTACCTGTCTGAGGAAGGCTGCAACATTTCTTATAGATGCATCTGCCAACTTTACAGCTTCTCTGG
GTGTGGACCAGCTGCAGCATGCTACACTGGCAGATTTGGTGAATATCACAAGGAGGAGCCATAACCTC
TCTGGGAAGGAACTCCTTCTGTACCCCTGTGGTCAACAAGACAAGCTGCCGACTACCTGGAGCTCTTC
CAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_028182
Insert Size:	1266 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_028182.1</u> , <u>NP_082458.1</u>
RefSeq Size:	2767 bp
RefSeq ORF:	1266 bp
Locus ID:	72281
UniProt ID:	<u>Q9D7V1</u>
Cytogenetics:	8 B3.3
Gene Summary:	Inhibits estrogen-induced cell proliferation by competing with PLCG for binding to ESR1, blocking the effect of estrogen on PLCG and repressing estrogen-induced proliferation (By similarity). May play a role in T-cell development and function.[UniProtKB/Swiss-Prot Function]