

Product datasheet for **RN201415**

Sh2d4a (NM_001012048) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sh2d4a (NM_001012048) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Sh2d4a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN201415 representing NM_001012048

Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGCTGAGGCAGATACTGTCGGAGATGTTTCATAGACCCTGACCTGCTGGCAGAGCTCAGCGAAGAGCAGA
AACAGATCTTGTCTACAAGATGAGAGAGGAACAGATCCGGCGATGGAAGAAAGAGAAGCAGCCATGGA
AAGAAAGGAGTCCTTGCCAGTGAAATCCAGGCCAAAGAAAGAGAATGGCAAGTCTGTGCATTGGAAGCTG
GGCGCTGATAAGCAGGTGTGGGTTTGGGTAATGGCGAGCATCATCTGGACAAACCCTATGATGTGCTGT
GTGATGAGATCCTTGCTGAGAGGGAGCACCTGAGAGCAGCGAAGGATGCAGAGCTCAGGAAAGCTCAGTC
TCTACAGTTTACCAATAGCTTAAAAGTAAAGTCACTGAACTGTGATCTGCAAGCAGTGAAAAAGACAGAG
CCTCAGATGTCACTAGGAAAGCAGCTGCAGAAGAGGCAACAGATCAAGGACCCAGAGCAATACCAACCA
AGAAGGACGACAAAGCCCAAACTAAAGACCTCACCAAGAAAAAGGACAGTGAGGAAGTGAAGCAGACAGA
GGACGAGAAAACGAAGCAGATATACAAGAACTGGAAGAAGACTCCGAATGGCAAGCATCTTTGCGAAAA
TCTAAGGCAGCTGATGAGAAGAGACGCTCCTTAGCGAAACAAGCACGGGAAGACTACAAGAGGCTTTCTC
AAAGGGGAAGGAGTGGCGACGGGCTGCAGAACCCACTGACTGGTCCACAGAAGCCCAAAAGACCTCTCT
TCCTCCGAAGCCCAAGTTCCTACAGCCGCTGGGAAGCCCTCAAAGTCTTTAGGGAATCAGGGAGTAATA
AGGACCAAGACCAGCTCCACCCAGGAGACATCATCCGATGGTTCAAAGAGGAACAGTGCCATTCCGAG
CAGGTTACCAGAAAACTCAGACACCATTTGCTCCCTGGTTCCATGGGATTCTCACACTGAAGAAAGCAAA
TGAAGTTCTGAGCACAGGCATGCCAGGCAGTTTTCTCATCCGAGTCAGTGAAAAGATCAAGGGCTATGCC
CTGTCTACCTGTCTGAGGAAGGCTGCAACATTTCTCATAGATGCATCAGCCAACTCTTACAGCTTCC
TGGGTGTAGACCAGCTGCAGCATGTCTACCTGGCAGATTTGGTGGAAATATACAAGGAGGAGCCTATAAC
CTCTCTGGGAAGGAAGTCTGTTGTTCCCTGTGGTCAACAAGACAAGCCACCTGACTACCTGGAGCTC
TTCCAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001012048
Insert Size:	1269 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:	<u>NM_001012048.1, NP_001012048.1</u>
RefSeq Size:	2461 bp
RefSeq ORF:	1269 bp
Locus ID:	306376
UniProt ID:	<u>Q6AYC8</u>
Cytogenetics:	16p14
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. May play a role in T-cell development and function (By similarity).[UniProtKB/Swiss-Prot Function]