

Product datasheet for SC313544

SH2D4A (NM_022071) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SH2D4A (NM_022071) Human Untagged Clone
Tag:	Tag Free
Symbol:	SH2D4A
Synonyms:	PPP1R38; SH2A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC313544 representing NM_022071. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**
ATGCTGAAACAGATACTGTCCGAGATGTACATAGATCCTGATCTACTGGCAGAGCTCAGCGAAGAACAG
AAACAGATCCTGTTCTTCAAGATGAGAGAGGAACAGATCCGACGATGGAAGAAAGAGAAGCAGCTATG
GAAAGAAAGGAGTCCCTGCCAGTGAAACCCAGACCAAAGAAAGAGAATGGCAAATCGGTTTCATTGGAAA
CTTGGAGCTGATAAGGAAGTCTGGGTATGGGTGATGGGCGAACACCATCTAGATAAACCCCTATGATGTG
CTCTGTAATGAAATTATTGCTGAGAGGGCCCGCTGAAAGCAGAACAGGAGGCAGAAGAGCCAGAAAA
ACTCACTCTGAAGAATTCACCAATAGCTTGAAACAAAATCACAGTACCATGATCTGCAGGCTCCGGAT
AACCAGCAGACTAAAGACATCTGGAAGAAAGTGGCAGAAAAGGAGGAAGTGGAGCAAGGATCGAGGCCA
GCACCAACCCTGGAAGAAGAGAAAAATCCGATCACTCTCCAGTTCTTCAAGAAATATTCAACAAATGTTG
GCAGATTCAATCAATCGTATGAAGGCATATGCATTTACCAGAAGAAAGAATCTATGAAGAAAAACAA
GATGAAGAAATAAATCAAATAGAAGAAGAGAGAACGAAGCAGATTTGTAAGAGCTGGAAAGAAGACTCG
GAATGGCAGGCATCTCTGCGAAAATCCAAGCAGCTGATGAGAAGAGACGCTCCTTGGCTAAACAAGCA
CGAGAAGACTACAAGAGGTTATCCCTCGGGGCCAGAAAGGAAGAGGCGGTGAGAGGCTGCAAAGCCCC
TTGCGTGTCCGAGAAACCAGAAAGACCTCCCCTTCCACCCAAGCCTCAGTTCTTAACTCAGGGGCA
TATCCTCAAAAACCTCTTAGAAATCAGGGAGTGGTGAGGACACTGTCCAGCTCTGCCAAGAGGACATC
ATCCGGTGGTTTTAAAGAGGAGCAGCTACCACTTCGAGCGGGCTACCAGAAAACCTCAGACACCATAGCC
CCCTGGTTCCATGGAATTCTCACACTCAAGAAAGCAAATGAACCTCTTCTGAGCAGAGCATGCCGGGC
AGTTTTCTCATCCGAGTCAGTGAAAGGATCAAAGGCTATGCCCTGTCTATCTGTGCGAGGACGGCTGT
AAACATTTCTCATCGATGCCTCTGCAGACGCCTACAGCTTCTGGGCGTGGACCAGCTACAGCATGCC
ACCTTGGCGGATTTGGTGAATATCACAAGGAGGAACCCATCACTTCCCTGGGGAAGGAGCTCCTTCTC
TATCCCTGTGGTCAGCAGGACAGCTGCCTGACTACCTGGAGCTGTTTGA**GTGA**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_022071
Insert Size:	1365 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).
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:	<u>NM_022071.3</u>
RefSeq Size:	3416 bp
RefSeq ORF:	1365 bp
Locus ID:	63898
UniProt ID:	<u>Q9H788</u>
Cytogenetics:	8p21.3
Domains:	SH2
MW:	52.7 kDa
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.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (a). Variants 1 and 2 both encode the same isoform (a).