

Product datasheet for **RG202485**

SH2D3A (NM_005490) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	SH2D3A
Synonyms:	NSP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG202485 representing NM_005490
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCAGGTGCCACAGGATGGAGAAGACCTTGCTGGCCAACCCTGGTACCACGGCCTCCTGTCCCGCCAGA
 AGGCTGAAGCTCTTCTTCAGCAAGATGGCGACTTCCTGGTTCGCGCCTCTGGGTCCCGTGGGGGCAACCC
 CGTGATCTCCTGCCGCTGGCGGGGCTCAGCCCTCCATTTTGAAGGTGTTCCGTGTGGCCTGCGTCCCGG
 CCAGGCCGACCCACAGCCCTCTTCAACTGGAGGATGAGCAATCCCCAGCATACCGGCTCTGGTTCACA
 GTTATATGACAGGCAGGCGCCCACTGTCCAGGCCACAGGGGCTGTGGTCTCCAGGCCTGTGACTTGGCA
 GGGGCTCTGCGACGCGAGCTTTAGCGAGGACACCCTGATGGATGGCCAGCTCGGATAGAGCCTCTCAGG
 GCAAGGAAGTGGAGCAACAGTCAGCCTGCAGATTGGCACATATGGGGCGGTCAAGAGAAGACCCGCTG
 GGATGGAAGCTCCACCATGCCATATCTGCCTGCCCGAACGAGCAGTGACCCGGTGTGCTGAAGGC
 CCCTGCTCCCTGGGAAGTGTGCCGACAGTCTCAGGGCCTCCGATGGGCAGCTTCAAGCCAAGGCACCA
 ACGAAGCCCCCGGACACCCTCCTTCGAAGTGCCTGATGCCTCTGAACGTCCCCGACGTAAGTGCAGC
 TGGTGCCCCGAGTGCCAGTGTCAGGGAACATCCCCGAGCCAAAGCTGCCAGAGCCAGAGGCCCATG
 GTGGGAGGCCGAGGAGGATGAGGAGGAAGAGAATAGATGTTTTACAAGACCACAGGCTGAGATCTCTTTC
 TGCCCCCATGATGCCCCCTCCTGCCTGCTGGGCCCCAGAATCGGCCCCGGAACCCCAAGTCTGCATA
 CCCTCCGTGGCCTGTTCTGGAGCACCCTCCTGGGAGCACCCTTACCTGCTATTGGTAGACTGCCA
 GGCCACAGGCCTCCTGGGAGTGACAGAGATCAGCGGGCAACATGGGAGTCTCATCTGGCCTGGAGCTG
 CTCACTCTTCCCCATGGACACCACTTGAGGTTGGAAGTCTGGAGAGGCATCAGACTGGCGCTGGCCG
 GGGCGCTGGCGGTGCTGGGCTGCTGGGGCCGCTGGAGGAGCGCGACCCGCTGAGGGGACTGGTAGA
 GCTGGCGCTGGCGTGCAGGAGGGGCGGGGACCTGCCCGGGCTGGCTGCAGTCATGGGCGCCCTG
 CTCATGCCCCAGGTGTCCCGGTTGGAGCACACGTGGCGCCAGCTCCGAAGGAGCCACACGGAGGCTGCGC
 TGGCCTTTGAGCAGGAGCTGAAGCCGCTGATGCGGGCTCTGGATGAGGGCGCTGGACCCTGCGACCCCG
 CGAGGTGGCGCTGCCGACGTGGCACCCATGGTTCGCTACTGGAGGGCGAGGAAGTCGGGGGCGCTG
 GACGAGAGCTGTGAGCGGCTGTTGCGCACCCCTGCACGGGGCGCGTCACATGGTCCGGGACGCAACCAAT
 TCCGCAAGGTGGCAGCCAGCGCTGCGAGGATTCCGGCCTAACCCGGAGCTGAGGGAGGCCTGACCAC
 CGGCTTCGTGCGGAGGCTGCTGCGGTAGCCGGGGCGGGGAGCTCCGCGCGCTGAACGCTTTGAGAAG
 TTCCAGCGCTCCTCGGCTCCTGTCGACGCGCTGGAGCTGACCGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG202485 representing NM_005490
 Red=Cloning site Green=Tags(s)

MQVPQDGEDLAGQPWYHGLLSRQKAEALLQQDGDFLVRASGSRGGNPVISCWRWGSALHFEVFRVALRPR
 PGRPTALFQLEDEQFSPISALVHSYMTGRRPLSQATGAVVSRPVTWQGPLRRSFSEDTLMDGPRIEPLR
 ARKWSNSQPADLAHMGRSREDPAGMEASTMPIALSALPTSSDPVLLKAPAPLGTVADSLRASDGQLQAKAP
 TKPPRTSPFELPDASERPPYCELVPRVPSVQGTSPSQSCPEAPWWEAEDEEEENRCFTRPQAEISF
 CPHDAPSCLLGPNRPLEPQVLHTRLRGLFLEHHPGSTALHLLLVDQATGLLGVTDRDQRGNMGVSSGLEL
 LTLPHGHHLRLELLERHQTALAGALAVLGCSGPLEERAAALRGLVELALALRPGAAGDLPGLAAYMGAL
 LMPQVSRLEHTWRQLRRSHTAALAFEQELKPLMRALDEGAGPCDPGEVALPHVAPMVRLLLEGEEVAGPL
 DESCERLLRTLHGARMVMDAPKFRKVAAQRLRGFRPNPELREALTTGFVRRLLWGSRGAGAPRAERFEK
 FQRVLGVLSQRLEPDR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_005490

ORF Size: 1728 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

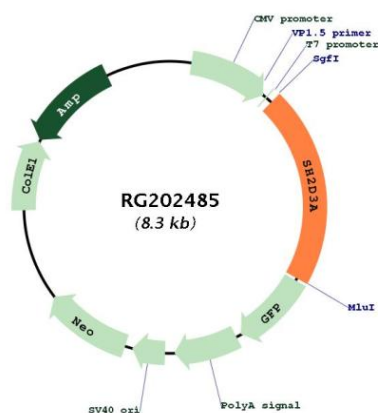
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_005490.1](#), [NP_005481.1](#)

RefSeq Size: 2327 bp

RefSeq ORF:	1731 bp
Locus ID:	10045
UniProt ID:	Q9BRG2
Cytogenetics:	19p13.3
Protein Families:	Druggable Genome
Gene Summary:	May play a role in JNK activation.[UniProtKB/Swiss-Prot Function]

Product images:


Circular map for RG202485