

## Product datasheet for **SC325142**

### NSP3 (SH2D3C) (NM\_001142531) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** NSP3 (SH2D3C) (NM\_001142531) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** SH2D3C  
**Synonyms:** CHAT; NSP3; PRO34088; SHEP1  
**Vector:** pCMV6 series

**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001142531, the custom clone sequence may differ by one or more nucleotides

```
ATGAAGCGGCGCAGCGTCACCATGACCGATGGGCTCACTGCTGACAAGGTCACCCGCAGC
GATGGCTGCCCCACAGTACGTCGCTGCCCCGCCCTCGGGACTCCATCCGCAGCTGTGCC
CTCAGCATGGACCAGATCCCAGACCTGCACTCACCCATGTCGCCATCTCCGAGAGCCCT
AGCTCCCCTGCCTACAGCACTGTAACCCGTGTCCATGCCGCCCTGCAGCCCCTTCTGCC
ACAGCATTGCCTGCCCTCCCCTGTCGCCCGCGTTCCAGTGAGCCCCAGCTGTGTCCGGGA
AGTGCCCCAAAGACCCATGGGGAGTCAGACAAGGGCCCCACACCAGCCCCTCCCACACC
CTTGGAAGGCTCCCCGTACCATCACTCAGCAGCTACAGTGACCCGGACTCTGGCCAC
TACTGCCAGCTCCAGCCTCCCGTGCCTGGCAGCCGAGAGTGGGCAGCGACTGAGACCTCC
AGCCAGCAGGCCAGGAGCTATGGGGAGAGGCTAAAGGAACTGTCAGAAAATGGGGCCCCT
GAAGGGGACTGGGGCAAGACCTTACAGTCCCCATCGTGGAAGTCACTTCTTCTTCAAC
CCGGCCACCTTCCAGTCACTACTGATCCCCAGGGATAACCGGCCACTGGAGGTGGGCCTT
CTGCGCAAGGTCAAGGAGCTGCTGGCAGAAGTGGATGCCCGGACGCTGGCCCGGCATGTC
ACCAAGGTGGACTGCCTGGTTGCTAGGATACTGGCGTTACCAAGGAGATGCAGACCCTA
ATGGGAGTCCGCTGGGGCATGGAAGTGCACCCCTCCCCATGGCCGGCAGCTACGCCTA
GACCTGCTGGAAAGTTCCACACCATGTCCATCATGCTGGCCGTGGACATCCTGGGCTGC
ACCGGCTCTGCGGAGGAGCGGGCAGCGCTGCTGACAAGACCATTAGCTGGCGCCGAG
CTGCGGGGGACTATGGGCAACATGTTCACTTCCGCGCGGTCATGGGTGCCCTGGACATG
GCCAGATTTCTCGGCTGGAGCAGACATGGGTGACCCTGCGGCAGCGACACACAGAGGT
GCCATCTGTACGAGAAGAAGCTCAAGCCTTTTCTCAAGAGCCTCAACGAGGGCAAAGAA
GGCCCCCGCTGAGCAACACCACGTTTCTCATGTGCTGCCCTCATCACCTGCTGGAG
TGTGACTCGCCCCACCAGAGGGCCTGAGCCCTGGGGCAGCACGGAGCACGGCGTGGAG
GTGGTGTGGCTACCTGGAGGCCCGCCGACAGTGGCACACCACGGAGGCTGTACCAC
ACCAATGTGAAGTCAAGCTGCAGGGTTCCAGGCCCGCGGAGCTCCTGGAGGTGTT
AGCACGGAGTTCCAGATGCGCCTTCTCTGGGGCAGTCAAGGTGCCAGCAGCAGCCAGGCC
CGGCGCTATGAGAAGTTCGACAAGGTCCTCACTGCCCTGTCCACAAGCTGGAACCTGCT
GTCCGCTCCAGCGAGCTG
```

**Restriction Sites:** Please inquire  
**ACCN:** NM\_001142531



[View online »](#)

<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001142531.1</a></u> , <u><a href="#">NP_001136003.1</a></u>
<b>RefSeq Size:</b>	2557 bp
<b>RefSeq ORF:</b>	1521 bp
<b>Locus ID:</b>	10044
<b>Cytogenetics:</b>	9q34.11
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	<p>This gene encodes an adaptor protein and member of a cytoplasmic protein family involved in cell migration. The encoded protein contains a putative Src homology 2 (SH2) domain and guanine nucleotide exchange factor-like domain which allows this signaling protein to form a complex with scaffolding protein Crk-associated substrate. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2011]</p> <p>Transcript Variant: This variant (3) includes an alternate exon in the 5' end resulting in use of a downstream start codon, compared to variant 1. It encodes isoform c which has a shorter N-terminus than isoform a. Variants 3 and 4 both encode isoform c.</p>