

## Product datasheet for **SC324296**

### NSP3 (SH2D3C) (NM\_170600) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NSP3 (SH2D3C) (NM_170600) Human Untagged Clone
Tag:	Tag Free
Symbol:	NSP3
Synonyms:	CHAT; NSP3; PRO34088; SHEP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM\_170600.1  
 CCACGCGTCCGGCCAAGATGACAGAGGGGACCAAGAAGACCAGCAAAAAGTTCAAGTTCT  
 TCAAGTTCAAGGGCTTTGGGAGTCTCTCCAACCTCCCTCGGTCTTCACTCTGAGACGAT  
 CCTCAGCTTCCATCAGTAGGACAGTCCCATTTGGAGCCTGACACCTTTGAAGCCACGCAGG  
 ATGACATGGTGACGGTGCCCAAGAGTCCCCCAGCCTATGCCCGCTCCAGTGACATGTACA  
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 CCACAGGAGACGTAGAAGAGGAGAGACCTCCAGGGACGTGCACTCAGAAAGGGTCTGT  
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 CGTGCCGCTGGCGCAACCAGGCTTGCACCTTCAAGATCAACAAGGTGGTGGTGAAGGCAG  
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 TTGGCAAGGCCTCCCGTACCATCACTCAGCAGCTACAGTGACCCGGACTCTGGCCACT  
 ACTGCCAGCTCCAGCCTCCCGTGGCAGCCGAGAGTGGGCAGCGACTGAGACCTCCA



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GCCAGCAGGCCAGGAGCTATGGGGAGAGGCTAAAGGAACTGTCAGAAAATGGGGCCCTG
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TGCGCAAGGTCAAGGAGCTGCTGGCAGAAGTGGATGCCCGGACGCTGGCCCGCATGTCA
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ACCTGTGGAAAGGTTCCACACCATGTCCATCATGCTGGCCGTTGACATCCTGGGCTGCA
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CCATCCTGTACGAGAAGAAGCTCAAGCCTTTTCTCAAGAGCCTCAACGAGGGCAAAGAAG
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GGTTCATCCCACCTGCTACATGCTCACCAGGTCTCCATTGAGGAAGAACAGGAACGCCG
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CATCTCACTGTAATAAGTCTCTGTTCTGTAATAAGATGTACAGAAGCCATGTTATTTCT
TTCATATAATAAACTTTTATGACTCTTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
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- Restriction Sites:** Please inquire
- ACCN:** NM\_170600
- 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:** [NM\\_170600.1, NP\\_733745.1](#)

RefSeq Size: 3114 bp

RefSeq ORF: 2583 bp

Locus ID: 10044

UniProt ID: [Q8N5H7](#)

Cytogenetics: 9q34.11

Protein Families: Druggable Genome

**Gene Summary:** 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]  
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a).