

## Product datasheet for **SC326186**

### **NSP3 (SH2D3C) (NM\_001142533) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	NSP3 (SH2D3C) (NM_001142533) Human Untagged Clone
Tag:	Tag Free
Symbol:	NSP3
Synonyms:	CHAT; NSP3; PRO34088; SHEP1
Vector:	<u>pCMV6 series</u>



[View online »](#)

**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001142533, the custom clone sequence may differ by one or more nucleotides

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ATGACCGAGCGGTGCAGCCTGTGGAGTGCCTGTGCGCCGCCCTGCTGCTTCTACCGC
GGCTCCTTCGTGCAGGTGCAGTTCTCCAAGGAGAAGTACATCCTGGACTCATCGCCAGAG
AAACTCCACAAGGAATTGGAGGAGGAGCTCAAACCTCAGCAGCACGGATCTCCGCAGCCAT
GCCTGGTACCATGGCCGCATCCCCGAGAGGTCTCGGAGACCTTGGTACAACGCAACGGC
GACTTCTCATCCGGGACTCACTCACCAGCCTGGGGACTATGTGCTCAGTGCCGCTGG
CGCAACCAGGCCTTGACTTCAAGATCAACAAGGTGGTGGTGAAGGCAGGCGAGAGCTAC
ACACACATCCAGTACCTGTTGAGCAGGAGAGCTTTGACCACGTGCCCGCCCTCGTGCGC
TATCATGTGGGCAGCCGCAAGGCTGTGTGAGAGCAGAGTGGTGCATCATCTACTGCCCC
GTGAACCGCACCTTCCCCTGCGCTACCTCGAGGCCAGCTATGGCCTGGGACAGGGGAGT
AGCAAGCCTGCTAGCCCCGTGAGCCCTCAGGCCCAAGGGCAGCCACATGAAGCGGCGC
AGCGTCACCATGACCGATGGGCTACTGCTGACAAGGTCAACCGCAGCGATGGCTGCCCC
ACCAGTACGTCGCTGCCCGCCCTCGGGACTCCATCCGCAGCTGTGCCCTCAGCATGGAC
CAGATCCAGACCTGCACTCACCATGTGCCCCATCTCCGAGAGCCCTAGCTCCCCTGCC
TACAGCACTGTAACCCGTGCCATGCCGCCCTGCAGCCCTTCTGCCACAGCATTGCCCT
GCCTCCCCTGTGCGCCGCGTTCCAGTGAGCCCAAGCTGTGTCCCGGAAGTGCCCAAAG
ACCCATGGGGAGTCAGACAAGGGCCCCACACCAGCCCTCCCACACCCTTGGAAGGCC
TCCCCGTACCATCACTCAGCAGCTACAGTGACCCGGACTCTGGCCACTACTGCCAGCTC
CAGCCTCCCGTGGTGGCAGCCGAGAGTGGGCAGCAGTGAAGCTCCAGCCAGCAGGCC
AGGAGCTATGGGGAGAGGCTAAAGGAAGTGTGAGAAAATGGGGCCCTGAAGGGGACTGG
GGCAAGACCTTACAGTCCCCATCGTGAAGTCACTTCTTCTTCAACCCGGCCACCTTC
CAGTCACTACTGATCCCCAGGGATAACCCGGCCACTGGAGGTGGGCTTCTGCGCAAGGTC
AAGGAGCTGCTGGCAGAAGTGGATGCCCGGACGCTGGCCCGCATGTACCAAGGTGGAC
TGCTGGTTGCTAGGATACTGGGCGTTACCAAGGAGATGCAGACCCTAATGGGAGTCCGC
TGGGGCATGGAAGTGTGCTCACCCTCCCCATGGCCGGCAGCTACGCCTAGACCTGTGAA
AGGTTCCACACCATGTCCATCATGCTGGCCGTGGACATCTGGGCTGCACCGGCTCTGCG
GAGGAGCGGGCAGCGCTGCTGCACAAGACCATTAGCTGGCGGCCGAGCTGCGGGGGACT
ATGGGCAACATGTTGAGCTTCCGCGCGGTGATGGGTGCCCTGGACATGGCCAGATTTCT
CGGCTGGAGCAGACATGGGTGACCTGCGGCAGCGACACACAGAGGTGCCATCCTGTAC
GAGAAGAAGCTCAAGCCTTTTCTCAAGAGCCTCAACGAGGGCAAAGAAGGCCCGCCGCTG
AGCAACACCACGTTTCTCATGTGCTGCCCTCATCACCCTGCTGGAGTGTGACTCGGCC
CCACCAGAGGGCCCTGAGCCCTGGGGCAGCAGGAGCACGGCGTGGAGGTGGTGTGGCT
CACCTGGAGGCCCGCCGCACAGTGGCACACCACGGAGGCCTGTACCACACCAATGCTGAA
GTCAAGCTGCAGGGGTTCCAGGCCCGGGCGGAGCTCCTGGAGGTGTTGAGCAGGAGTTC
CAGATGCGCCTTCTCTGGGGCAGTCAAGGTGCCAGCAGCAGCCAGGCCCGGGCGCTATGAG
AAGTTCGACAAGGTCTCACTGCCCTGTCCACAAGCTGGAACCTGCTGTCCGCTCCAGC
GAGCTG
    
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**Restriction Sites:** Please inquire

**ACCN:** NM\_001142533

**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.

<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>NM_001142533.1, NP_001136005.1</u>
<b>RefSeq Size:</b>	2694 bp
<b>RefSeq ORF:</b>	2109 bp
<b>Locus ID:</b>	10044
<b>UniProt ID:</b>	<u>Q8N5H7</u>
<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 (5) includes an alternate exon in the 5' coding region, compared to variant 1. It encodes isoform d, which is shorter and has a distinct N-terminus compared to isoform a.</p>