

## Product datasheet for **SC123495**

### NSP3 (SH2D3C) (BC032365) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NSP3 (SH2D3C) (BC032365) Human Untagged Clone
Tag:	Tag Free
Symbol:	NSP3
Synonyms:	CHAT; FLJ39664; novel SH2-containing protein 3; NSP3; OTTHUMP00000022206; OTTHUMP00000022207; PRO34088; SH2 domain-containing 3C; SH2 domain containing 3C
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for BC032365 edited

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CCACGCGTCCGGCCAAGATGACAGAGGGGACCAAGAAGACCAGCAAAAAGTTCAAGTTCT
TCAAGTTCAAGGGCTTTGGGAGTCTCTCCAACCTCCCTCGGTCTTCACTCTGAGACGAT
CCTCAGTTCCATCAGTAGGCAGTCCCATTGGAGCCTGACACCTTTGAAGCCACGCAGG
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GCCACATGGGCACCATGCCTCGCCCCAGCATCAAGAAAGCACAGAACTCACAGGCTGCC
GGCAGGCCAGGAGGCGGGTCCCAAGCCAACTTGGTACCCGGAGGTGTACCCGACCCCC
CAGGCTTGGAGGCAGCCAAAGAGGTGATGGTGAAGGCACTGGCCCTCTAGAGGACACCC
CAGCAATGGAACCCAACCCTTCAGCAGTGGAGGTAGACCCATCAGAAAGCCTGAGGTCC
CCACAGGAGACGTAGAAGAGGAGAGACCTCCAGGGACGTGCACTCAGAAAGGGCTGCTG
GAGAGCCAGAGGCTGGCAGGCACTATGTGAAGTTCTCAAGGAGAAGTACATCCTGGACT
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TCCGACGCGATGCCTGGTACCATGGCCGATCCCCGAGAGGTCTCGGAGACCTTGGTAC
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CGTGCCGCTGGCCCAACAGGCCTTGCCTTCAAGATCAACAAGGTGGTGGTGAAGGCAG
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CAGCATTGCCTGCCCTCCCTGTGCCCCGCGTTCAGTGAGCCCCAGCTGTGTCCCGGAA
GTGCCCAAGACCCATGGGGAGTCAGACAAGGGCCCCACACCAGCCCCCCCACACCC
TTGGCAAGGCCTCCCCGTACCATCACTCAGCAGCTACAGTGACCCGACTCTGGCCACT

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ACTGCCAGCTCCAGCCTCCCGTGGCTGGCAGCCGAGAGTGGGCAGCGACTGAGACCTCCA  
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 AAGGGGACTGGGGCAAGACCTTCACAGTCCCCATCGTGGAAAGTCACTTCTTCTTCAACC  
 CGGCCACCTTCCAGTCACTACTGATCCCCAGGGATAACCGGCCACTGGAGGTGGGCTTC  
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 TGGGAGCCGCTGGGGCATGGAAGTGTCAACCTCCCCATGGCCGGCAGCTACGCCTAG  
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 GGGGCAGAGGGGCACACAACCTTTCCCAGAGCACCCCAAGGACTGTGATCAACCCGAG  
 AATGTTCTGGGTTCAACTCAAGCATCTCCCTTGCACCTCCAGGGTCTGCGTGGACTCTG  
 GGTTCCATCCCACCTGCTACATGCTCACCAGGTCTCCATTGAGGAAGAACAGGAACGCCG  
 GTTCCCCACCAGCTTTTGTGCTCCCCCTCCTGCTGGGGTCCCTGTTTTTCGAGCCATG  
 GGAGGCAGGCTGCTCAGCCTCCTCACTCTCTGTCTGTCCTCACCAACCAAGGCCTC  
 CATCTCACTGTAATAAGTCTCTGTTCTGTAAATAGATGTACAGAAGCCATGTTATTTCT  
 TTCATATAATAAACTTTTATGACTCTTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA  
 AA

**5' Read Nucleotide Sequence:**

>OriGene 5' read for BC032365 unedited  
 AGCGTCAAAATTTGTAAACGACTCACTATAGGCGGCCGCGATTCCCGGATATCGTCGA  
 CCCACGCGTCCGGCCAAGATGACAGAGGGGACCAAGAAGACCAGCAAAAAGTTCAAGTTC  
 TCAAGTTC AAGGGCTTTGGGAGTCTCTCCAACCTCCCTCGGTCTTCACTCTGAGACGA  
 TCCTCAGTTCATCAGTAGGCAGTCCCATTGGAGCCTGACACCTTTGAAGCCACGCGAG  
 GATGACATGGTGACGGTGCCCAAGAGTCCCCAGCCTATGCCCGTCCAGTGACATGTAC  
 AGCCACATGGGCACCATGCCTCGCCCCAGCATCAAGAAAGCACAGAAGTACAGGCTGCC  
 CGGCAGGCCAGGAGGCGGGTCCCAAGCCCAACTTGGTACCCGGAGGTGTACCCGACCCC  
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 CCAGCAATGGAACCAACCTTTCAGCAGTGGAGGTAGACCCCATCAGAAAGCCTGAGGTC  
 CCCACAGGAGACGTAGAAGAGGAGAGACCTCCCAGGGACGTGCACTCAGAAAGGGCTGCT  
 GGAGAGCCAGAGGCTGGCAGCGACTATGTGAAGTCTCCAAGGAGAAGTACATCCTGGAC  
 TCATCGCCAGAAGAACTCCACAAGGAATTGGAGGAGGAGCTCANACTCAGCAGCAGCGAT  
 CTCCGACGCCATGCCTGGTACCATGGCCGCATCCCCGAGAGGTCTCGGAGACCTTGGTA  
 CAACGCAACGGCGACTTCTCATCCGGGACTCACTCACCAGCCTGGGCGACTATGTGCTC  
 ACGTGCCGCTGGCCCAACAGGCCTTGGACTNCAAGATCAACAGGTGGTGGTGAAGCAGG  
 CNAAACTACA

**Restriction Sites:**

Please inquire

**ACCN:**

BC032365

**Insert Size:**

3114 bp

<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>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>	<a href="#">BC032365.1</a> , <a href="#">AAH32365.1</a>
<b>RefSeq Size:</b>	3114 bp
<b>Locus ID:</b>	10044
<b>Cytogenetics:</b>	9q34.11
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	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]