

Product datasheet for **SC324275**

NSP3 (SH2D3C) (NM_005489) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NSP3 (SH2D3C) (NM_005489) 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)



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Fully Sequenced ORF:

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>OriGene sequence for NM_005489.1
GCGGGGAAGCATGACTGCTGTGGGCCGAAGGTGCCCCGCGCTGGGGTCCCGAGGGGCTG
CTGGAGAGCCAGAGGCTGGCAGCGACTATGTGAAGTTCTCAAGGAGAAGTACATCCTGG
ACTCATCGCCAGAGAACTCCACAAGGAATTGGAGGAGGAGCTCAAACCTCAGCAGCACGG
ATCTCCGACCCATGCCTGGTACCATGGCCGCATCCCCGAGAGGTCTCGGAGACCTTGG
TACAACGCAACGGCGACTTCTCATCCGGGACTCACTACCAGCCTGGGGACTATGTGC
TCACGTGCCGCTGGCGCAACCAGGCCTTGCACTTCAAGATCAACAAGGTGGTGGTGAAGG
CAGGCGAGAGCTACACACACATCCAGTACCTGTTTGAGCAGGAGAGCTTTGACCACGTGC
CCGCCCTCGTGCCTATCATGTGGGCAGCCGAAGGCTGTGTGAGCAGAGTGGTGCCA
TCATCTACTGCCCGTGAACCGCACCTTCCCACTGCGCTACCTCGAGGCCAGCTATGGCC
TGGGACAGGGGAGTAGCAAGCCTGCTAGCCCCGTCAGCCCTCAGGCCCAAGGGCAGCC
ACATGAAGCGGCGCAGCGTACCATGACCGATGGGCTCACTGCTGACAAGGTACCCGCA
GCGATGGTGGCCACCAGTACGTGCTGCCCGCCCTCGGGACTCCATCCGACGTGTG
CCCTCAGCATGGACCAGATCCCAGACCTGCACTACCCATGTGCCCATCTCCGAGAGCC
CTAGTCCCTGCCTACAGCACTGTAACCCGTGCCATGCCGCCCTGCAGCCCCCTTCTG
CCACAGCATTGCCTGCCTCCCCTGTGCCCGCCGTTCCAGTGAGCCCCAGCTGTGTCCCG
GAAGTGCCCCAAAGACCCATGGGGAGTCAGACAAGGGCCCCCACACCAGCCCCCTCCACA
CCCTTGGCAAGGCCTCCCCGTCACCATCACTCAGCAGCTACAGTGACCCGGACTCTGGCC
ACTACTGCCAGCTCCAGCCTCCCGTGCCTGGCAGCCGAGAGTGGGAGGACTGAGACCT
CCAGCCAGCAGGCCAGGAGCTATGGGGAGAGGCTAAAGGAAGTGTGAGAAAATGGGGCCC
CTGAAGGGGACTGGGGCAAGACCTTACAGTCCCATCGTGGAAGTCACTTCTTCCTTCA
ACCCGGCCACCTTCCAGTCACTACTGATCCCAGGGATAACCCGGCACTGGAGGTGGGCC
TTCTGCGCAAGGTCAAGGAGCTGCTGGCAGAAGTGGATGCCCGGACGCTGGCCCGCATG
TCACCAAGGTGGACTGCCTGGTTGCTAGGATACTGGGCGTTACCAAGGAGATGCAGACCC
TAATGGGAGTCCGCTGGGGCATGGAAGTCTCACCTCCCCATGGCCGGCAGCTACGCC
TAGACCTGCTGGAAGGTTCCACACCATGTCCATCATGTGGCCGTGGACATCCTGGGCT
GCACCGGCTCTGCGGAGGAGCGGGCAGCGCTGCTGCACAAGACCATTAGCTGGCGGCCG
AGCTGCGGGGACTATGGGCAACATGTTAGCTTCGCGGCGGTGATGGGTGCCCTGGACA
TGGCTCAGATTTCTCGGCTGGAGCAGACATGGGTGACCTGCGGCAGCGACACACAGAGG
GTGCCATCCTGTACGAGAAGAAGCTCAAGCCTTTTCTCAAGAGCCTCAACGAGGGCAAAG
AAGGCCCGCCGCTGAGCAACACCAGTTTCTCATGTGCTGCCCTCATACCCTGCTGG
AGTGTGACTCGGCCCCACCAGAGGGCCCTGAGCCCTGGGGCAGCACGGAGCACGGCGTGG
AGGTGGTGTGGCTCACCTGGAGGCCGCCCGCACAGTGGCACACCACGGAGGCCTGTACC
ACACCAATGCTGAAGTCAAGCTGCAGGGGTTCCAGGCCCGGCCGGAGCTCCTGGAGGTGT
TCAGCACGGAGTTCAGATGCGCCTTCTCTGGGGCAGTCAGGGTGCCAGCAGCAGCCAGG
CCCGGCGCTATGAGAAGTTCGACAAGGTCTCACTGCCCTGTCCCAAGCTGGAACCTG
CTGTCCGCTCCAGCGAGCTGTGACCCAGGGACATTTCCCTCTGCAGCTGCGGACAGCG
TCAGGGGCAGAGGGGCACACAACCTTTCCCAGAGCACCCCAAGGACACTGTGATCAACCC
GAGAATGTTCTGGGTTCAACTCAAGCATCTCCCTTGACCTCCAGGGTCTGCGTGGACT
CTGGGTTCCATCCACCTGCTACATGCTACCAGGTCTCCATTGAGGAAGAAGAGGAACG
CCGGTTCCCCACCAGCTTTTGCTGCTCCCTTCTGCTGGGGTCCCTGTTTTTCGAGCC
ATGGGAGGCAGGCTGCTCACGCCTCCTCACTCTGTCTGTCTGCCCTCACCAACACCAAGGC
CTCCATCTCACTGTAATAAGTCTCTGTCTGTAAATAGATGTACAGAAGCCATGTTATT
TCTTTTATATAATAAACTTTTATGACTCTTTAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAA
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Restriction Sites:

Please inquire

ACCN:

NM_005489

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:	<ol style="list-style-type: none">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_005489.1 , NP_005480.1
RefSeq Size:	2164 bp
RefSeq ORF:	2112 bp
Locus ID:	10044
UniProt ID:	Q8N5H7
Cytogenetics:	9q34.11
Domains:	SH2, RasGEF
Protein Families:	Druggable Genome
Gene Summary:	<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 (2) includes alternate exons in the 5' coding region, compared to variant 1. It encodes isoform b, which is shorter and has a distinct N-terminus compared to isoform a.</p>