

Product datasheet for **SC107385**

SH3MD2 (SH3RF1) (NM_020870) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SH3MD2 (SH3RF1) (NM_020870) Human Untagged Clone
Tag:	Tag Free
Symbol:	SH3MD2
Synonyms:	POSH; RNF142; SH3MD2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC107385 sequence for NM_020870 edited (data generated by NextGen Sequencing)

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ATGGATGAATCAGCCTTGTGGATCTTTGGAGTGTCCGGTGTGTCTAGAGCGCCTTGAT
GCTTCTGCGAAGGTCTTGCCTTGCCAGCATACGTTTTGCAAGCGATGTTTGTGGGGATC
GTAGGTTCTCGAAATGAACCTAGATGTCCCGAGTGCAGGACTCTGTTGGCTCGGGTGC
GAGGAGCTTCCCAGTAACATCTTGTGGTCCAGACTTCTGGATGGCATCAAACAGAGGCC
TGGAAACCTGGTCTGGTGGGGGAGTGGGACCAACTGCACAAATGCATTAAGGTCTCAG
AGCAGCACTGTGGCTAATTGTAGCTCAAAGATCTGCAGAGCTCCAGGGCGGACAGCAG
CCTCGGGTGAATCCTGGAGCCCCCAGTGAGGGGTATACCTCAGTTACCATGTGCCAAA
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GGCTTTTTCCCACCAACTTTGTGCAGATTATTAACCCTTACCTCAGCCCCACCTCAG
TGCAAAGCACTTATGACTTTGAAGTGAAGACAAGGAAGCAGACAAAGATTGCCTTCCA
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GCCACGCACACTGCTGCCATCAGTATCAGTCGAGCCAGTGCCCTCTGGCCTGTGCAGCA
GCTGCTCCACTGACTTCCCAAGCATCACCAGTCTTCTCTGGAGGCTGAGCCAGTGGC
CGGATAGTGACCGTTCTCCCTGGACTCCCCACATCTCCTGACAGTGTTCATCAGTTGT
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AAACGAGAGGATGGCTGGTTCAAAGGCACATTACAACGTAATGGGAAAACCTGGCCTTTTC
CCAGGAAGCTTTGTGAAAACATATGA
    
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Clone variation with respect to NM_020870.3
 1778 t=>n;1779 t=>n;1780 g=>n;1781 c=>n

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_020870 unedited</p> <pre>GCGCGGATTCCGGAGCGAGCGGGGGGGCGCATCTGCGTCANCCGCCGCGGGCGCGGGG GGGCCCGGAACAAAGAGGAGGAGCCGAGGCGCGAGAGCAAAGTCTGAGATGGATGTGACA TGAGTCATTTTAAAGGGGTGCGCACAACTATGAACATTTCTGAAGATTTTTTCTCAGTAAA GTAATAAAGATGGGTGAATCANGCTTGGTGGGTCTTTTGGAGGGGCCGGGGCGCTANA NGGCGCTTGGTGCCTTCTGCGAAGGGTTCGCTTGGCANCATACGTTTTTCGAGGCATGT GTGGTGGGGATCGTANGGTCTCNAATGAACANATGGCCCCGAGGCGAGGACTCTTGGT GGCTCNGGTGGCAGGGCTTCCANTAACATCTTGGTGGGCANACTTCTGGATGGGATC AAACAGGGGCTTGAAAACCTGGTCTGGTGGGGAAAGNGGACCAACTGCGCAAATGCA TTAAGGGCTCANAGCAGGACTGGGGTAATTGGANCTCAAAAATCTGCAAAGCTCCAGGG GGGACAGCAGGCTCNGGTGGCGATCTGGAGCCCCCGTGGGGGATACCTCAGGTACCAT GGCCAAAGCATATACACTTGAAGGAAAGAGCCTGGAGACCTAATTGAGGGAGGGGAGCA TATCATTTTTCGAGACAGGGGTGAAATCTGGCCCTGGGGAGCAAGGGGATCTGGGT TTCCACAACCTG</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_020870 unedited</p> <pre>CCGTAAGGCCTTGGCTGATGGCACCTTCCAGGTCCAGGATAGCACTGGGAAGGGTCACA GGGCATGCCACCCGGGCTCTGTTCAAGAAACAGCTATGACCGCGCCGAATCTAGAGTC GAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTCTTGAACATCAAATTTAATCTTGAAACCTT TTATCCAGTCTCAAATTATTAACATGAAAAGGAGTGATAAATTGCAATTTTATCATTAC CATATCACTGTGTAACAAGCCCTTGTACAAAATCTCCCTCTACTGTCTGCAAAAAACCA ATAGAAAACCCATACCTTATATTACCTAATGATCTATTAACAGATGAAATTTTAACCAAC TTTATACCAGGAAACTATGAACAGAGGACTTCAAATCAGTAAATATGAGGAA AAGACAGGTAAAAAATTATCTTAACCTGTAGTAGTCTTTTTTCTTTTTAAAAATTTTAT AAAATACACTAATTTCCAAAATAAAGAATATTATGACACATTGGTGTCAACTTACACAG ATGAAAGCTGATGCCAGCTTTTTCTAACTAAAGTTTCAATTCACCAAACCTTTATATATT ACATGAATATCCAAGTAAAGTATTTTTTTTTTTAAATTCAACACACAGGAACATAATATA CCTTGTTTTTTTTTAAAAAAGGTTAATTTAAGAATGATTTTCATCTTCAACCACATAAA GTATCTTTTTAAGACCATGAAACCTCTTGTGATTGCAAGACTTTTCAGTTCATGTTTCTA TTTCCCAGTTTTAATCTTAAAGGAAAAAAGTGAAGGGTTTATTATGTTTTTCC ATGAAAAAAGTGGTAAAGATCTTATTTTACATTACGGGCTGTCTCCCTCCCTTTGTTTT CCGGATACCTT</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_020870
Insert Size:	6000 bp
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).
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_020870.2](#), [NP_065921.2](#)

RefSeq Size: 5196 bp

RefSeq ORF: 2667 bp

Locus ID: 57630

UniProt ID: [Q7Z6J0](#)

Cytogenetics: 4q32.3-q33

Gene Summary: This gene encodes a protein containing an N-terminus RING-finger, four SH3 domains, and a region implicated in binding of the Rho GTPase Rac. Via the RING-finger, the encoded protein has been shown to function as an ubiquitin-protein ligase involved in protein sorting at the trans-Golgi network. The encoded protein may also act as a scaffold for the c-Jun N-terminal kinase signaling pathway, facilitating the formation of a functional signaling module. [provided by RefSeq, Jul 2008]