

Product datasheet for SC118257

SH3GL2 (NM_003026) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SH3GL2 (NM_003026) Human Untagged Clone
Tag:	Tag Free
Symbol:	SH3GL2
Synonyms:	CNSA2; EEN-B1; SH3D2A; SH3P4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC118257 sequence for NM_003026 edited (data generated by NextGen Sequencing)

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ATGTCGGTGGCCGCCTCAAGAAGCAGTTCATATAAGCCACTCAGAAAGTGAGTGAGAAG
GTTGGAGGAGCTGAAGGAACCAAGCTAGATGATGACTTCAAAGAGATGGAAAGGAAAGTG
GATGTCCAGCAGGGCTGTGATGGAAATAATGACTAAAACAATTGAATACCTTCAACCC
AATCCAGCTTCCAGAGCTAAGCTCAGCATGATCAACACCATGTCAAAAATCCGTGGCCAG
GAGAAGGGGCCAGGCTATCCTCAGGCAGAGGCGCTGCTGGCAGAGGCCATGCTCAAATTT
GGAAGAGAGCTTGGAGATGATTGCAACTTTGGCCAGCACTTGGTGAGGTCGGGGAGGCC
ATGCGGGAAGTGTGGAGGTCAAAGACTCTTTGGACATAGAAGTGAAGCAGAAGTTCATT
GACCCCTTTCAGAAATCTCATGACAAAGATCTTAGGGAAATTCACATCATCTAAAGAAG
TTGGAGGGTTCGACGCCTGGATTTTGATTATAAGAAGAAACGACAAGGCAAGATTCGGAT
GAAGAGCTTCGTCAAGCTCTAGAGAAATTTGATGAGTCTAAGGAAATTCGTGAGTCAAGC
ATGTTCAATCTCTTGGAGATGGATATTGAACAAGTGAAGCCAGCTCTCTGCACTTGTGCAA
GCTCAGCTGGAGTACCACAAGCAGGCAGTCCAGATCCTGCAGCAAGTACCGGTCAGACTG
GAAGAAAGAATAAGACAGGCTTCATCTCAGCCTAGAAGGGAATATCAACCTAAACCACGA
ATGAGCCTGGAGTTTCCAAGTGGAGACAGTACTCAGCCCAATGGGGTCTCTCCACACA
GGCACTCCCAAACCTTCAGGTGTCCAAATGGATCAGCCCTGCTGCCGAGCTCTGTACGAC
TTTGAACCTGAAAATGAAGGGGAGTTGGGATTTAAAGAGGGCGATATCATCACACTCACT
AACCAAATGATGAGAACTGGTATGAGGGGATGCTGCATGGCCATTCAGGCTTCTTCCCC
ATCAATTATGTGAAATCTGGTTGCCCTGCCCCATTAG

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Clone variation with respect to NM_003026.2



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_003026 unedited</p> <pre> TTTGTAAACACGACTTACTATAGGCGGCCGCGCATTTCGGCACGAGGCAGCAGCCGCCAGCG CGGCTCCTGCACCATGTCGGTGGCCGGCCTCAAGAAGCAGTTCCATAAAGCCACTCAGA AAGTGAGTGAGAAAGTTGGAGGAGCTGAAGGAACCAAGCTAGATGATGACTTCAAAGAGA TGGAAAGGAAAGTGGATGTCACCAGCAGGGCTGTGATGGAAATAATGACTAAAACAATTG AATACCTTCAACCAATCCAGCTTCCAGAGCTAAGCTCAGCATGATCAACACCATGTCAA AAATCCGTGGCCAGGAGAAGGGCCAGGCTATCCTCAGGCAGAGGCGCTGCTGGCAGAGG CCATGCTCAAATTTGGAAGAGAGCTTGGAGATGATTGCAACTTTGGCCACGCACTTGGTG AGGTCGGGGAGGCCATGCGGGAAGTGTGCGAGGTCAAAGACTCTTTGGACATAGAAGTGA AGCAGAACTTCATTGACCCTCTTCAGAATCTTCATGACAAAGATCTTAGGGAAATTCAAC ATCATCTAAAGAAGTTGGAGGTCGACGCTGCAATTTTGATTATAAGAAGAAACGACAAG GCAAGATTCCGGATGAAGAGCTTCGTCAAGCTCTAGAGAAATCTGATGAGTCTAAGGAAA TTGCTGAGTCAAGCATGTTCAATCTCTTGGAGATGGATATTGAACAAGTGAGCCAGCTCT CTGCCTTGTGCAAGCTCAGCTGGAGTACCACAAGCATGCAGTCCAGATCCTGCAGCCAG TCACGGTCAAACGGAAGAAAGAATAAGACAGCCTTCATCTCAGCCTAGAAGGGAATATC ACCTAACCACGAATGAGCCTGAAGTTTCAACTGGAGACGTAACACN </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_003026 unedited</p> <pre> NACGCTGGACAAACCCGCTCCTAGGATCGAAAAATCTTTTTTTTTTTTTTTTTTTTTTTTT TTCTGGCTTCAGCAATATTTATTGGAAACAGCGATGCTTCTGTGGTGGAGAGTTTATAC ATTAAGCAGTAAGATTTGCCTTTCCTCCACATGATCCACTACTGCAGGTGGCACATCGG AAGCAGCAGTAAACCTCTGAAAGAGTCTGTCCAGCTAGATAAATAGAAGTCTGGATAC CTAACAGGACTTTCATGACTGATACAAAATAAAAAACACACTGATAAGCTTACACACAGC ACTGTACACACAAAATGAAGACGATGGATAGAAAGGGCAGAAGTAAAAGTAGCGACTGAA TTGGGAAAGAGTTTTGCATATGCAGCCATATACCTTAAACTGCTAAGCACAAAAATCATC TTTATTTGGTCTCATTGAGGGCAGAATCTGCACAAATGATGTTCAAAGAACACAGGGTA AAAGTGGAAAGGAAAGGTATTTACTGTTTCTCAGTATATGAACTAGTGGAAAGATGGTTA CTAGTGTTTTCTCCTTGTGTCTCTGTGCCAAATGGATTCATGAAACATGTAATTCACAA ATAAACTGAAGTGAAGATTTTGTTCCTTCCCTGTGCCCTCAGAAATAGCCTAAA TACATACATAGTTTTCTGTCTAGCAAGAAATTTAAGCTTGGATACCAGATTTCTTCCCAA TTCCTCATAATGGAGAATTTCTTTTCAGCGCCTCTACAATAATGCTGATTAAGTGGCTTA CTGAAAAATATTCGGAATTACCGCTGTGGCTTTATTGCAGGGAGGGAAGAAACTGTCTTT CCTCAGAAATGCCCTAAGTGGGAGAGCTGAAAGCCTATTGCAAATATGCTTGAACCCCAT TAAACTTTCTGGTGCCTTAGAACAACTTCAATCAGAACATTGCTGTGAGGAAGCAA </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_003026
Insert Size:	2560 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:	<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_003026.1 , NP_003017.1
RefSeq Size:	2540 bp
RefSeq ORF:	1059 bp
Locus ID:	6456
UniProt ID:	Q99962
Cytogenetics:	9p22.2
Domains:	SH3, BAR
Protein Pathways:	Endocytosis
Gene Summary:	Implicated in synaptic vesicle endocytosis. May recruit other proteins to membranes with high curvature. Required for BDNF-dependent dendrite outgrowth. Cooperates with SH3GL2 to mediate BDNF-NTRK2 early endocytic trafficking and signaling from early endosomes. [UniProtKB/Swiss-Prot Function]