

Product datasheet for **SC216941**

SHANK3 (NM_001080420) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	SHANK3 (NM_001080420) Human 3' UTR Clone
Symbol:	SHANK3
Synonyms:	DEL22q13.3; KIAA1650; PROSAP2; PSAP2; SPANK-2
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001080420
Insert Size:	1931 bp



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Insert Sequence:	>SC216941 3'UTR clone of NM_001080420 The sequence shown below is from the reference sequence of NM_001080420. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC CGCGCGCTCAGGCAGCTGGACGGCAGCTGACGCCACCCCACTCCCGCCCGGCGGTGCCCTGCCGG CAGGGCCCCCACCCCAACCCGCGGCGCGGGCTCGGCCTGCCCTTACGACGGCGCCGGGCCAGGAA TGTTGCATGAATCGTCTGTTTGTCTGTTGCTCGGAGACTCGCCCTGTACATTGCTTAGTGCCCTCACCG GCCGCCAGCCACCCAGCGCACAGTCAGGAAGGGCGTGGACCAGGGAGGCTGGGCGGGAGGTGCCGG GGGTGGGTGCCCTAGCGTGACCACCTCCTTCGCAGCTCCTGGTGGCCATTCTCCAGAGGGGGAACCT AGTCCAGCATGCGAGGTGAGACCCGCTTGGTACTCGGGGGAGGGGGAGACATTGGGATTCTCGA TGGGGGCCAAGGAGCCCCCTGTTTGCATATTTAATCCACTCTATATTGGAACGAGAAAAGGAACA AATATCTCTGTCCGTAATAGTTTCTCTCCCTCCCTTCTACTTCCACTGGTCCCACTGCAGCTGCCCA GTCTTCCATCTCCGGCCCTCACTGCCACTGCCACCCACAACGGGGCAGGGGACGCTCCAGCTGTGCT GGGGTTGGCCAGGGCCCTAGTGGCCCGCCTGGGGCCCCAGCTCGGCCCTCGCCTCGCTGAGCTTAG TGTGCCCCACCGACCTTCAGGTGCTGCTCGTGGTGGGAGGGGCGGCAGGCCGCGGGTCTGCTGTGCA CCCGCGGGACCGCGGCTGGGAGACCATCGGCCGGGGGGATGAGGGCAGGGCCCTGCCGCTCCACC GCAGCCATCTTCTCACAGGTCTCTCCCAAGGAGGGGGCTAGCTTGGTCCCCATGCTCTTGGGCAAC TACAGCAGAGAAGCCTCCCTGCCTTGGACCCAAAGTCTCCTGTCCTGCCCTTTATGTGTGGGTGAA ACTGGGTGCGTCTGAGCACGTGGGAGCCGTGTGTGCTGATTACTGAGTGGCCACCAGGGGCCGCTC TGGACTAGCGCGGGCCGTGGAGCGTGCACCGTGTGCATGCGTGGGTGTACCTGTGAGAGCACCTGT TCTCCTTCCAAAGAAAGTCAGAGGCCATCCTGCACCTGGGTCCAGCTGTTTGCCAGCCTGTCTCT CCAGAGCCTCACCCAGCCTGAGCGGGTTCCTGGTGAATCCCTGCTGCTTGGGGAGGCCCAAGGGCC CCTTGGAGGCAGCGCCCCACCTTGGGCTTCTGAGGGCATCATAGGGGGACCCCTAGAGTCAGTTACC ACAGGCCCTGGGAGAGTCAAAGACCCCGAGGGTGCCAGCCCCCACACTGTGACTCCTCACACTCA GCGATGACCTGTGGGTGGGGGCCCTGGGACGTTTTTAAACCTAGGGTTTGGAGTCTGGACTAAGCTC CATCCACGTCACTACAAGTTTCTGTTTATATTCTAGCTTTTTTAATAAAATAAAAAAAAAAAGAAA ACAGAAGTTTTCACAACCCAGGGGCTGGCACGCCGTCTGTGCTGCCCGCCCCGCCCTGGCCACCG GCCCCACTCCCTGGGCACAGAGTCACACCACTCATCCTCCGCCAACAGTCCAGGTACACAGCAGCA GTCACTGTAACAGACTGCCACATACACACTCGGTCTCACACTCACCTGTGGGTTTTGGTTCCGTTCAAT TTGGGTTTTTAACTTTACAGGTGAGTCCGCTTACCTCCTTTTGTATGGAGTTCATCCGGGGGGTT TCACCCCTGCTCCAGTCTGAGGCTCCTGACCTGACGTTGTGATACGCCACAGAGATCTATGTT TCTTATATTATTATTGATAATAATTATTATAATATTATTATGTAATAAATTATAAGAAATGAAG ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
Restriction Sites:	Sgfl-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_001080420.1</u>

Summary:

This gene is a member of the Shank gene family. Shank proteins are multidomain scaffold proteins of the postsynaptic density that connect neurotransmitter receptors, ion channels, and other membrane proteins to the actin cytoskeleton and G-protein-coupled signaling pathways. Shank proteins also play a role in synapse formation and dendritic spine maturation. Mutations in this gene are a cause of autism spectrum disorder (ASD), which is characterized by impairments in social interaction and communication, and restricted behavioral patterns and interests. Mutations in this gene also cause schizophrenia type 15, and are a major causative factor in the neurological symptoms of 22q13.3 deletion syndrome, which is also known as Phelan-McDermid syndrome. Additional isoforms have been described for this gene but they have not yet been experimentally verified. [provided by RefSeq, Mar 2012]

Locus ID:

85358

MW:

68.4