

Product datasheet for **SC327614**

SAMD4A (NM_001161576) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SAMD4A (NM_001161576) Human Untagged Clone
Tag:	Tag Free
Symbol:	SAMD4A
Synonyms:	SAMD4; SMAUG; SMAUG1; SMG; SMGA
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:	<p>>NCBI ORF sequence for NM_001161576, the custom clone sequence may differ by one or more nucleotides</p> <pre> ATGTTTCGCGACCAGGTCGGGGTCTGGCGGGCTGGTTTAAGGGCTGGAACGAGTGCGAG CAGACTGTTGCGCTGCTGTCGCTGCTCAAGCGCTGAGCCAGACCCAGGCCCGCTTCCTC CAGCTCTGCTGGAGCACTCGCTGGCCGACTGCGCCGAGCTGCACGTCTCGAACGCGAG GCCAACAGCCCCGAATCATTAAACCAATGGCAACAGGAATCCAAGGATAAAGTGATTTC CTCTGTAACTCATCTGCCTTTGCTGAAGCCAGGAAACCTCGACGCGAAAGTAGAATAT ATGAAACTGCTGCCAAAATCCTGGCTCACTCTATTGAACACAACCAGCACATTGAGGAG AGCAGGCAGCTGCTGTCCTATGCTTTGATACATCCAGCCACTTCGTTAGAAGACCGTAGT GCTTTAGCCATGTGGCTGAATCACTTGGAGGACCGCACGTCGACCAGCTTTGGTGGCCAG AACCGAGGCCGCTCAGACTCTGTGGATTATGGACAGACACTACTATCACAAAGACAG AACTCTGATGACAAGCTCAATGGGTGGCAGAACTCTGGGATTCTGGGATTTGCATCAAT GCCTCAAAGTGGCAGGACAAAAGCATGGGGTGTGAGAATGGCCATGTGCCCTCTACTCC TCCTCATCTGTCCCACCACAATCAATACGATTGGAACCAGCACAAAGTACAAATGTTCCA GCCTGGCTGAAAAGCCTCCGCTGCACAAATATGCCGCGCTTTTCTCCCAGATGACCTAT GAGGAGATGATGGCCCTACCGAGTGCCAGCTGGAGGCGCAGAATGTTACCAAAGGTGCA AGACACAAAATTGTCATCAGTATTCAGAAGCTCAAAGAAAAGACAAAATCTCCTGAAGTCT TTGAAAGGGACATCATCGAGGGGGGACGCTGCGCATCCCGCTCCAGGAACTGCACCAG ATGATCCTGACTCCGATCAAGGCCTACAGCTCCCCGAGCACCACCCCGAGGCTCGCCGC CGGGAGCCCCAGGCCCGCTCAGCCCTCACTGATGGGCCCGAGAGCCAGAGCCCCGAC TGCAAAGATGGGGCCGACGCCACTGGCGCCACGGCCACCCCTCGGCCGGGGCCAGCGGG GGGCTCCAGCCGACCACTGAGCAGCTGCGATGGGGAGCTGGCCGTGCCCCCTGCCA GAGGGGGACCTCCCCGGCAGTTCACACGCGTCAATGGGAAAAGTGTGCACACAGCTCTTG GTCTCCAGACCTGATGAGGAAAATATAAGTTCTATTTACAGCTCATAGACAAGTGTCTA ATTCATGAGGCATTTACAGAGACACAGAAAAAAGATTGTTGTCATGGAACAGCAGGTG CAGAAGCTCTTTCGCTCTTCCCTCGGAAAACCCTTCTAGACATATCAGGATATCGACAG CAAAGAAATCGAGGCTTTGGGCAATCCAACTCCCTCCCGACGGCTGGCTCTGTGGCGGT GGCATGGGCAGACGGAACCCGCGCCAGTACCAGATCCCTCTCGGAACGTCCCTTCCGCC CGCCTGGCCTCTTGGGCACCAGTGGATTTCGTAGCTCCAACCAGCGCAACACCACAGCT ACCCCCACCATCATGAAACAAGGAAGACAGAACCTGTGGTTTGCCAAACCCGGGGGCGAGC AATAGCATGCCAAGCCGACCCACAGCTCAGTCCAGAGGACCCGCTCGCTGCCCGTGAC ACTTCCCACAGAACATGCTGATGTTCCAGCAGCCAGAATTCCAGCTTCCCGTGACCGAA CCTGACATCAACAACAGGCTGGAGTCGTTGTGCCTCAGTATGACCGAACACGCCCTGGGA GACGGGGTTGACCGGACCTCCACCATC </pre>
Restriction Sites:	Please inquire
ACCN:	NM_001161576
Insert Size:	6575 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).
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:

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_001161576.1](#), [NP_001155048.1](#)

RefSeq Size: 6575 bp

RefSeq ORF: 1890 bp

Locus ID: 23034

UniProt ID: [Q9UPU9](#)

Cytogenetics: 14q22.2

Gene Summary: Sterile alpha motifs (SAMs) in proteins such as SAMD4A are part of an RNA-binding domain that functions as a posttranscriptional regulator by binding to an RNA sequence motif known as the Smaug recognition element, which was named after the *Drosophila* Smaug protein (Baez and Boccaccio, 2005 [PubMed 16221671]).[supplied by OMIM, Mar 2008]
Transcript Variant: This variant (2) lacks an alternate in-frame exon in the central coding region, compared to variant 1, resulting in an isoform (2) that is shorter than isoform 1.