

Product datasheet for **SC308597**

SAMD12 (NM_207506) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SAMD12 (NM_207506) Human Untagged Clone
Tag:	Tag Free
Symbol:	SAMD12
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC308597 sequence for NM_207506 edited (data generated by NextGen Sequencing) ATGGCTGTGGAAGCTCTCCACTGTGGTTTGAATCCACGGGTATTGATCACCTGCCCAT GCTGAAGGTATTA AACTGCAAATTGAAGGTGAAGGTGTGGAATCTCAATCCATAAAAAT AAAAATTTCCAGAAGGTGCCTGACCAGAAAGGAACTCCCAAGCGACTGCAGGCAGAAGCT GAGACGGCTAAGTCAGCTACGGTGAAGCTATCTAAACCGGTGGCTCTATGGACCCAGCAG GATGTCTGCAAGTGGTTGAAGAAACATTGTCCGAATCAGTATCAGATCTACAGTGAGTCA TTCAAACAGCATGACATAAAGTGGGCGAGCCCTGCTGAGACTTACTGACAAAAAGCTCGAG CGAATGGGGATTGCCAGGAGAACCTCCGGCAGCACATTTACAACAGGTGCTCCAGCTG AAGGTGCGAGAAGAAGTCAGAAATCTACAGTACTCACACAAGGTACCCTGTTGCTTCT GATGGGTGGATGGATGGGGAGATTAGAAGAAAGACCACCTTACTATTAGGACAGACAGGA GTCAGGGAGAATTTGTTATTGTTTCTTCACAGAATTTCCATCATAGAAAATAGTATACAG ATTTAA Clone variation with respect to NM_207506.2 471 a=>g



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_207506 unedited</p> <pre> NGTCACTCACCTTGTAACACCCCTAAGGCGGCCGATCGCCCTGAGAGATGCGTGAAG CCTCTCCACTGTGGTTTGAATCCACGGGTATTGATCACCTGCCCATGCTGAAGTATT AAACTGCAAAATGAAGGTGAAGGTGTGGAATCTCAATCCATTAATAATAAATTTCCAG AAGGTGCCTGACCAGAAAGAACTCCCAAGCGACTGCAGGCAGAAAGCTGAGACGGCTAAG TCAGCTACGGTGAAGCTATCTAAACCGGTGGCTCTATGGACCCAGCAGGATGTCTGCAAG TGGTTGAAGAAACATTGTCCGAATCAGATCAGATCTACAGTGAGTCATTCAAACAGCAT GACATAACTGGGCGAGCCCTGCTGAGACTTACTGACAAAAGCTCGAGCGAATGGGGATT GCCCAGGAGAACCTCCGGCAGCACATCTTACAACAGGTGCTCCAGCTGAAGGTGCGAGAA GAAGTCAGAAATCTACAGTTACTCACACAAGGTACCCTGTTGCTTCTGATGGGTGGATG GATGGGGGAGATTTAGAAGAAAGACCACCTTACTATTAGGACAGACAGGAGTCAGGGAGA ATTTGTTATTGTTTCTTACAGAATTTCCATCATAGAAAATAGTATACAGATTTAAGATT ACTTCCCTTTGAAAACCTTTTTTCATAGCTCACTAGGGAGAAGGATGCACAAATAAGTAAT GGATGAGCAAACAGAATTACCTGGAGGGCGAATTCAGATCTGGTACCGATTTCAAGCTTG TCGACTCTAGATTTGCGCCGCGTCTAGCTGGTTTCTGACAGATCCCGGTGGCATTCC CTGTGACCCCTTCCCAAGTGCCTCTCTGCCCCCTGGAATTTGCCCTTCCATGCCCC </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_207506 unedited</p> <pre> NNGGGGGCCCCATTGGGGATGGCAACTNCCAGGNCCAGNAAAGCACTGGGGNAGGGTCAC AGGGATGCCACCCGGGCTCTGTTTCAGGAAACAGCTATGACCGCGGCCGAATCTAGAGTC GACAAGCTTGATATCGGTACCAGATCTGAATTCGCCCTTCAGGTAATTCTGTTTGCTCAT CCATTACTTATTTGTGCATCCTTCTCCCTAGTGAGCTATGAAAAAAGTTTTCAAAGGGAA GTAATCTTAAATCTGATACTATTTTCTATGATGAAAATCTGTGAAGAAACAATAACAA ATTTCCCTGACTCCTGTCTGCCTAATAGTAAGGTGGTCTTTCTTAATCTCCCCATC CATCCACCCATCAGGAAGCAACAGGGTACCTTGTGTGAGTAACTGTAGATTTCTGACTTC TTCTCGCACCTTCAGCTGGAGCACCTGTTGTAAGATGTGCTGCCGGAGGTTCTCCTGGGC AATCCCCATTGCTCGAGCTTTTTGTGAGTAACTCAGCAGGGCTCGCCAGTTATGTC ATGCTGTTTGAATGACTCACTGTAGATCTGATACTGATTCGGACAATGTTTCTTCAACCA CTTGACAGACATCCTGCTGGGTCCATAGAGCCACCGGTTTATAGCTTACCGTAGCTGA CTTAGCCGCTCAGCTTCTGCCTGCAGTCGCTTGGGAGTTCCTTTCTGGTCAGGCACCTT CTGGAAATTTTTATTTTTAATGGATTGAGATTCACACCTTCACCTTCAATTTGAGTTT AATACCTTCAGCATGGGAGGGTATCAATACCCCGTGGATTCAAACCACAGTGGAGGAC TTCCACAGCCATTCTCAAGGGCGAATTCGCGCGGCCCTATAGTGAGTCGTATTACAA AATTCG </pre>
Restriction Sites:	Please inquire
ACCN:	NM_207506
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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_207506.1](#), [NP_997389.1](#)

RefSeq Size: 2100 bp

RefSeq ORF: 606 bp

Locus ID: 401474

UniProt ID: [Q8N8I0](#)

Cytogenetics: 8q24.11-q24.12