

## Product datasheet for **SC324524**

### Genethonin 1 (STBD1) (NM\_003943) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Genethonin 1 (STBD1) (NM_003943) Human Untagged Clone
Tag:	Tag Free
Symbol:	Genethonin 1
Synonyms:	GENEX3414; GENX-3414
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >OriGene sequence for NM\_003943.1  
 GGGCTCTGTGTGCGTGACCTGAGCCCCGGTCCCAGTCCCTGTAGTCTCCTGCGGCCGCGG  
 CCTCTCAGCCATGGGCGCCGTCTGGTCCGCCCTGCTGGTTGGAGGGGTCTGGCCGGAGC  
 ACTTTTCGTTTGGCTGCTGCGGGGCGGCCCTGGCGACACCCGGGAAGGACGGGGATGCGGA  
 GCAGGAGAAAGACGCCCTCTTGGGGGAGCTGCGATTCCGGGAGGCCATCAGAGTGGCAG  
 CAGCGGACTGAGCCCTGGACCTTCCGGGAGGAGCTGGTCAACAAACCAGAGCATCTTCA  
 AGAAAGCAATGGACATTTGATTTCTAAGACCAAGACCTTGGTAAACTGCAAGCAGCATC  
 ATGGAGATTGCAGAATCCTTCCAGGGAAGTCTGTGACAATTCAAGAGAACATGTTCTTTC  
 TGGACAGTTTCCAGACACAGAAGCTCCAGCTACCTCTGAGACCAGTAACTCTAGGAGTTA  
 CTCTGAAGTTTCAAGAAATGAAAGCCTTGAATCTCCTATGGGAGAATGGGGATCCAAAA  
 AGGACAAGAGATATCTGCTAAAGCAGCTACATGTTTTGCAGAGAAGTTGCCTTCTAGCAA  
 CCTGCTCAAGAACAGAGCTAAAGAAGAAATGAGCCTCTCTGATTTGAACAGTCAAGACCG  
 GGTGACCACGAGGAGTGGGAAATGGTGCCTAGGCACTCATCTTGGGGGATGTTGGTGT  
 GGGTGGCAGTCTTAAGGCTCCAGTGTAAACCTAAACCAGGGAATGGACAATGGAAGAAG  
 CACTTTGGTGAAGCAAGAGGTCAGCAAGTGCATGGGAAAATGGAAGGGTAGCAGTGAT  
 GCCTGCAGGGTCTCAGCAAGTTAGTGTCAGGTTCCAGGTCCATTATGTCACAAGCACTGA  
 TGTGCAATTCATTGCAGTAACTGGAGACCATGAGTGTCTTGGGAGATGGAACACTTACAT  
 CCCACTCCACTATAACAAGGATGGGTTCTGGTCTCATTCCATTTTCTGCCTGCAGATAC  
 AGTGGTGGAGTGAAGTTTGTGTTGGTAGAGAATGGGGGAGTTACCCGCTGGGAAGAATG  
 CAGCAATAGATTCCTAGAAAAGTGGCCATGAGGATAAAGTGGTTACCGCATGGTGGGGAT  
 TCACTGATTCAGTTTCAAAGTAATGGAGAAGCTGTAGAACAATGTGGAAGAGGCTGAGG  
 TTGTGGAACACACTGAATAAAATAAAGGCAGTGTGACTCCAAATTCAGCCATCTGAATTG  
 TTTAAATTTGCTAGTGGATTTTGTCTACTGTGCAGAAAATATATATGTCTAATGTGCAGAA  
 ATATATATGTGTATGTGTAT  
 ATGTGAACCTCTTTCCCTGTGGCACTGATTGACAGACTTGTGCTGATCCATTATTA  
 TAGGGCTTGATTCTTGGGGAGTACTTGGCTAAGCTTCAGGTGTAACCTGTGGTCACG  
 GAGCAAAAACATTAACCAGCTGCCAGGGTTCAAGCTTGAGCCTTTAGGTGATCTTTAA  
 CTATGGTAGTAAAATAAGCCTCACTCAAACATAGCTGACTTCTATTGGTACAGCTTGAA  
 AAGCACTTTTTACTACATACACATTTTATGCTTAAAAAGTTAACATGATACGAACTGTG  
 ATTAGAAAATATCTGGTCTGGATGTGATTAGTAAGGATACAAGATAATGTTCTAAGACTG  
 CCTAATGCTTTTTGTTTGTATTTTCTGCTGCCAGGCGTTGTTATGTGCTATGAGGGTAGCA  
 AGTACGCTTTTGTCTTAATGATCTAAGGCTGGTGTAGAAAACAAAGGGCCTAATGAGAACC  
 AATCATCATGGAAGTCAGTTGCGGGGGCAGCCATAAGGAAAGGGAAAGTGAAGTGGGGTT  
 GGGCATAGGCTGAGTGAAGTGGCCTGAATGACACCTCTTAGAGGACTGTGAAGTACAGGC  
 ACAGCCCAGCTGCAGGGAGGATGCACCCATCATTACCCATGGGAGCATCTGTAGGACC  
 ATCTCTCTCCACTTCTTCTCCCTCCCCACCGCATCTGGCCAGATGGACTGTCTTACA  
 GCAATCGTTTCCATCTGTCAACCTCTTCCCTCTCTTTTACATACCAGTCACTATCTGGGT  
 AACAAATTTATACAGGACAGTGGTACAGAAATACATCTTTGCTCTGAGAATACAGCAAT  
 ATTAACCTAAATTTATTATAACTGAACAAATAATAAAACCTGAATTTTAAATCTTCAAAA  
 AAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_003943

**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).

<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_003943.1</a> , <a href="#">NP_003934.1</a>
<b>RefSeq Size:</b>	2340 bp
<b>RefSeq ORF:</b>	1077 bp
<b>Locus ID:</b>	8987
<b>UniProt ID:</b>	<a href="#">O95210</a>
<b>Cytogenetics:</b>	4q21.1
<b>Domains:</b>	CBM_20
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	Acts as a cargo receptor for glycogen. Delivers its cargo to an autophagic pathway called glycophyagy, resulting in the transport of glycogen to lysosomes.[UniProtKB/Swiss-Prot Function]