

Product datasheet for **SC337259**

STT3A (NM_001278503) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STT3A (NM_001278503) Human Untagged Clone
Tag:	Tag Free
Symbol:	STT3A
Synonyms:	ITM1; STT3-A; TMC
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001278503, the custom clone sequence may differ by one or more nucleotides

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ATGACTAAGTTTGGATTTTTCGATTGTCCTATGAGAAGCAGGACACACTTTTGAAGCTTCTCATTCTGT
CAATGGCTGCTGATTATCCTTCTCCACTCGTCTGTTTGGCTGTCCTGAGATTTGAAAGTGTATCCATGA
GTTTGATCCGACTTTAATTATCGGACTACCAGGTTCTGGCTGAGGAGGGTTTTATAAATCCATAAC
TGGTTTGATGACCGAGCCTGGTACCCTTTGGGACGAATCATTGGAGGAACAATTTACCCAGGTTTAAATGA
TCACCTCTGCTGCAATCTACCATGTACTCCATTTTTTCCACATCACCATCGACATTTCGGAATGTCTGTGT
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GCAGGGGCTGGGCTTCTTGTGCTGCCATGATTGCTGTAGTTCCTGGATATATCTCCCGATCTGTGGCTG
GCTCCTATGATAATGAAGGGATTGCCATCTTTGCATGCTACTCACCTACTACATGTGGTCAAGGCAGT
AAAGACTGGTCCATCTGTTGGGACGTAAGTGTGCCCTTGCTTATTTCTACATGGTCTCGTCATGGGGA
GGTTATGTGTTCCCTGATCAACTAATTCCTCTCCACGTCCTCGTCTGATGCTCACAGGCCGTTTCTCTC
ACCGGATCTATGTGGCCTACTGTACTGTTTACTGCCTGGGCACTATACTTTCTATGCAGATCTCCTTTGT
GGTTTTCCAGCCTGTCCCTTTCATCAGAGCACATGGCAGCCTTTGGGGTCTTTGGTCTCTGCCAGATCCAT
GCCTTTGTGGATTACCTGCGCAGCAAGTTGAATCCACAACAATTTGAAGTCTTTTCCGGAGCGTCACTCT
CTCTGGTAGGCTTTGTCTTCTCACCGTGGGAGCTCTCCTCATGCTGACAGGAAAAATATCTCCCTGGAC
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GAGCATCAGCCCACAACCTGGTCTCATACTATTTGACCTGCAGCTCCTCGTCTTATGTTTCCAGTTG
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GTACTTTTTCAGCTGTAATGGTGGCTCTAATGCTAGTGTGGCACCTGTTATGTGCATTCTCTGGCATT
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TCTGCCCGTGGTGGGATGGCAGTAGGATCATATTTGATGACTTCCGAGAAGCATATTATTGGCTTCGTC
ATAATACTCCAGAGGATGCGAAGGTCAATGCTCCTGGTGGGATTATGGCTATCAGATTACAGCTATGGCAA
CCGAACAATTTTAGTGGACAATAACACATGGAATAATACCCATATTTCTCGAGTAGGGCAGGCAATGGCG
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GCCTCACTGGGTATTCTCTGATGATATCAACAAGTTTCTTTGGATGGTCCGGATTGGAGGGAGCACAGA
TACAGGCAACATATCAAGGAGAATGACTATTACTCCAACCTGGGAGTCCGTGTGGACCGTGAAGGT
TCTCCAGTGTCTCAACTGCCTCATGTACAAGATGTGTTACTATCGCTTTGGACAGGTTTACACAGAAG
CCAAGCGTCTCCAGGCTTTGACCGTGTCCGAAATGCTGAGATTGGGAATAAAGACTTTGAGCTTGATGT
CCTGGAGGAAGCATATACCACAGAACATTGGCTGGTCAGGATATACAAGGTAAGGACCTGGATAATCGA
GGCTTGTCAAGGACATAA
    
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Restriction Sites: Sgfl-MluI

ACCN: NM_001278503

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_001278503.1 , NP_001265432.1
RefSeq Size:	4332 bp
RefSeq ORF:	2118 bp
Locus ID:	3703
UniProt ID:	P46977
Cytogenetics:	11q24.2
Protein Families:	Transmembrane
Protein Pathways:	Metabolic pathways, N-Glycan biosynthesis
Gene Summary:	<p>The protein encoded by this gene is a catalytic subunit of the N-oligosaccharyltransferase (OST) complex, which functions in the endoplasmic reticulum to transfer glycan chains to asparagine residues of target proteins. A separate complex containing a similar catalytic subunit with an overlapping function also exists. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2015]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (a). Variants 1 and 2 both encode the same isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>