

Product datasheet for **SC336981**

STT3A (NM_001278504) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STT3A (NM_001278504) Human Untagged Clone
Tag:	Tag Free
Symbol:	STT3A
Synonyms:	ITM1; STT3-A; TMC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

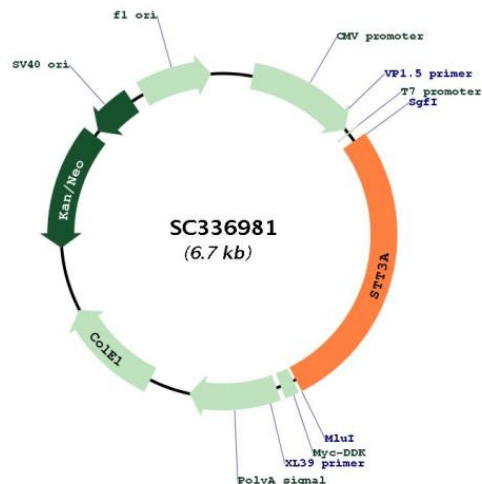


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Fully Sequenced ORF: >SC336981 representing NM_001278504.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGATCACCTCTGCTGCAATCTACCATGTACTCCATTTTTCCACATCACCATCGACATTCGGAATGTC
TGTGTCTTCTGGCCCTCTCTCTCTCTCCACCACCATCGTACGTACCACCTTACCAAAGAGCTC
AAGGATGCAGGGGCTGGGCTTCTTGTCTGCTGCCATGATTGCTGTAGTTCCCTGGATATATCTCCGATCT
GTGGCTGGCTCCTATGATAATGAAGGGATTGCCATCTTTTGCATGCTACTCACCTACTACATGTGGATC
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_001278504

Insert Size: 1842 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).

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_001278504.1](#)

RefSeq Size: 4121 bp

RefSeq ORF: 1842 bp

Locus ID: 3703

UniProt ID: [P46977](#)

Cytogenetics: 11q24.2

Protein Families: Transmembrane

Protein Pathways: Metabolic pathways, N-Glycan biosynthesis

MW: 69.6 kDa

Gene Summary: 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]
Transcript Variant: This variant (3) differs in the 5' UTR and lacks the exon containing the translation start codon compared to variant 1. These differences cause translation initiation at a downstream AUG and result in an isoform (b) with a shorter N-terminus, compared to 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.