

Product datasheet for **RG239087**

STT3A (NM_001278504) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STT3A (NM_001278504) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	STT3A
Synonyms:	ITM1; STT3-A; TMC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG239087 representing NM_001278504.
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGATCACCTCTGCTGCAATCTACCATGTACTCCATTTTTCCACATCACCATCGACATTCGGAATGTC
TGTGTCTTCTGGCCCTCTCTCTCTCTCCACCACATCGTACGTACCACCTACCAAAGAGCTC
AAGGATGCAGGGGCTGGGCTTCTTGTCTGCCATGATTGCTGTAGTTCCTGGATATATCTCCGATCT
GTGGCTGGCTCCTATGATAATGAAGGGATTGCCATCTTTTGCATGCTACTCACCTACTACATGTGGATC
AAGGCAGTAAAGACTGGTTCCATCTGTTGGGCAGCTAAGTGTGCCCTTGCTTATTTCTACATGGTCTCG
TCATGGGAGGTTATGTGTTCTGATCAACTTAATTCCTCTCCACGTCTCGTGTGATGCTCACAGGC
CGTTTCTCTACCGGATCTATGTGGCTACTGTACTGTTACTGCCTGGGCACTATACTTCTATGCAG
ATCTCCTTTGTGGGTTCCAGCCTGTCTTTCATCAGAGCACATGGCAGCCTTTGGGGTCTTTGGTCTC
TGCCAGATCCATGCCTTTGTGGATTACCTGCGCAGCAAGTTGAATCCACAACAATTTGAAGTTCTTTTC
CGGAGCGTCATCTCTGTGATGCTTTGCTTCTCACCGTGGGAGCTCTCCTCATGCTGACAGGAAAA
ATATCTCCCTGGACGGGGCGTTTCTACTCGCTGCTGGATCCCTCTTATGCTAAGAACAACATCCCCATC
ATTGCTTCTGTGCTGAGCATCAGCCACAACCTGGTCCCTCATACTATTTGACCTGCAGCTCCTCGTC
TTCATGTTCCAGTTGGCCTCTATTACTGCTTTAGCAACCTGTCTGATGCCCGGATTTTTATCATCATG
TATGGTGTGACCAGCATGTACTTTTCAGCTGTAATGGTGGCTAATGCTAGTGTGGCACCTGTTATG
TGCATTCTCTGGCATTGGAGTCTCCAGGTGCTGTCCACATACATGAAGAATCTGGACATAAGTCGT
CCAGACAAGAAGCAAGAAGCAACAGGATTCCACCTACCCTATTAAGAATGAAGTGGCAAGTGGGATG
ATACTGGTCATGGCTTTCTTCTCATCACCTACACCTTTCATTCAACCTGGGTGACCATGAGGCCTAC
TCTTCTCCGTCATTGTACTATCTCCCGTGGTGGGATGTCAGTGGATCATATTTGATGACTTCCGA
GAAGCATATTATTGGCTTCGTATAATACTCCAGAGGATGCGAAGGTATGTCCTGGTGGGATTATGGC
TATCAGATTACAGCTATGGCAAACCGAACAATTTTGTGGACAATAACACATGGAATAATACCCATATT
TCTCGAGTAGGGCAGGCAATGGCGTCCACAGAGAAAAAGCCTATGAGATCATGAGGGAGCTCGATGTC
AGCTATGTGCTGGTCATTTTTGGAGGCCTCACTGGGATTCCTCTGATGATATCAACAAGTTTCTTTGG
ATGGTCCGGATTGGAGGGAGCACAGATACAGGCAACATATCAAGGAGAATGACTATTATACTCCAAC
GGGAGTTCGGTGGACCGTGAAGTTCTCCAGTGTCTCACTGCCTCATGTACAAGATGTGTTAC
TATCGCTTTGGACAGTTTACACAGAAGCAAGCGTCTCCAGGCTTTGACCGTGTCCGAATGCTGAG
ATTGGGAATAAAGACTTTGAGCTTGATGTCCTGGAGGAAGCATATACCACAGAACATTGGCTGGTCAGG
ATATAAAGGTAAGGACCTGGATAATCGAGGCTTGTCAAGGACA
ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAAAC
```

Protein Sequence:

>Peptide sequence encoded by RG239087
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MITSAIYHVLHFFHITIDIRNVCVFLAPLFFSSFTTIVTYHLTKELKDAGALLAAAMIADVPGYISRS
VAGSYDNEGIAIFCMLLTYMWIKAVKTSICWAAKCALAYFYMVSSWGGYVFLINLIPLHVLVLMGTG
RFSHRIYVAYCTVYCLGILSMQISFVGFQPVLSSEHMAAFGVFLCQIHAFVDYLRSKLNPQQFEVLF
RSVISLVGFVLLTVGALLMLTGKISPWTRGFYSLLDPSYAKNNIPIIASVSEHQPTTWSSYYFDLQLLV
FMFPVGLYYCFSNLSDARIFIIMYGVTSMYFSAVMVRMLVLPVVCILSGIGVSQVLSYMKNLDIR
PDKKSKKQDSTYPIKNEVASGMILVMAFFLITYTFHSTWVTSEAYSSPSIVLSARGGDSRIIFDDFR
EAYYWL RHNTPEDAKVMSWWDYGYQITAMANRTILVDNNTWNNTHISRVGQAMASTEELKAYEIMRELDV
SYVLVIFGGLTGYSSDDINKFLWMVRIGGSDTGTGKHIEKENDYYTPTGFRVDREGSPVLLNCLMYKMCY
YRFQVYTEAKRPPGFDRVNAEIGNKDFELDVLEEAYTTEHWLVRIYKVKDLNDRGLSRT
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPE
SVIFTDKIIIRSNATVEHLHPMGDNDLDGFSFTRTFLSRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites:

Sgfl-MluI

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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).
RefSeq:	NM_001278504.2
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:	70 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]