

Product datasheet for RC201991L4

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STT3A (NM_152713) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: STT3A (NM_152713) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: STT3A

Synonyms: ITM1; STT3-A; TMC

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC201991).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_152713

ORF Size: 2115 bp





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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).

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: <u>NM 152713.2</u>

RefSeq Size:4244 bpRefSeq ORF:2118 bpLocus ID:3703

UniProt ID: P46977

Cytogenetics: 11q24.2

Domains: STT3

Protein Families: Transmembrane

Protein Pathways: Metabolic pathways, N-Glycan biosynthesis

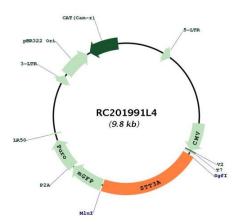
MW: 80.5 kDa

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]



Product images:



Circular map for RC201991L4