

Product datasheet for RC222681L3

OriGene Technologies, Inc.

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GALNT11 (NM_022087) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: GALNT11 (NM_022087) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: GALNT11

Synonyms: GALNAC-T11; GALNACT11

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

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

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC222681).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





st The last codon before the Stop codon of the ORF.

ACCN: NM_022087

ORF Size: 1824 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 022087.2</u>

 RefSeq Size:
 2732 bp

 RefSeq ORF:
 1827 bp

 Locus ID:
 63917

 UniProt ID:
 Q8NCW6

Cytogenetics: 7q36.1

Domains: RICIN, Glycos transf 2

Protein Families: Transmembrane

Protein Pathways: Metabolic pathways, O-Glycan biosynthesis

MW: 68.9 kDa

Gene Summary: Polypeptide N-acetylgalactosaminyltransferase that catalyzes the initiation of protein O-

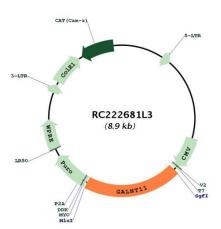
linked glycosylation and is involved in left/right asymmetry by mediating O-glycosylation of NOTCH1. O-glycosylation of NOTCH1 promotes activation of NOTCH1, modulating the balance between motile and immotile (sensory) cilia at the left-right organiser (LRO). Polypeptide N-acetylgalactosaminyltransferases catalyze the transfer of an N-acetyl-D-galactosamine residue to a serine or threonine residue on the protein receptor. Displays the

same enzyme activity toward MUC1, MUC4, and EA2 than GALNT1. Not involved in

glycosylation of erythropoietin (EPO).[UniProtKB/Swiss-Prot Function]



Product images:



Circular map for RC222681L3