

Product datasheet for **RC222681L3V**

GALNT11 (NM_022087) Human Tagged ORF Clone Lentiviral Particle

Product data:

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| Product Type: | Lentiviral Particles |
| Product Name: | GALNT11 (NM_022087) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | GALNT11 |
| Synonyms: | GALNAC-T11; GALNACT11 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-Myc-DDK-P2A-Puro (PS100092) |
| Tag: | Myc-DDK |
| ACCN: | NM_022087 |
| ORF Size: | 1824 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC222681). |
| 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. |
| RefSeq: | NM_022087.2 |
| 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 |



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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]