

Product datasheet for RC207728L1

OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US

Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

GALNT6 (NM_007210) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: GALNT6 (NM_007210) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: GALNT6

Synonyms: GALNAC-T6; GalNAcT6

Mammalian Cell None

Selection:

Vector:pLenti-C-Myc-DDK (PS100064)E. coli Selection:Chloramphenicol (34 ug/mL)

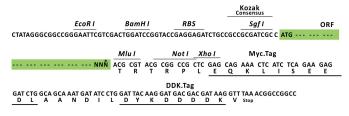
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC207728).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_007210

ORF Size: 1866 bp





GALNT6 (NM_007210) Human Tagged Lenti ORF Clone - RC207728L1

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 007210.3</u>

 RefSeq Size:
 4520 bp

 RefSeq ORF:
 1869 bp

 Locus ID:
 11226

 UniProt ID:
 Q8NCL4

 Cytogenetics:
 12q13.13

Domains: RICIN, Glycos transf 2

Protein Families: Transmembrane

Protein Pathways: Metabolic pathways, O-Glycan biosynthesis

MW: 71.2 kDa

Gene Summary: This gene encodes a member of the UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-

acetylgalactosaminyltransferase (GalNAc-T) family of enzymes. GalNAc-Ts initiate mucin-type O-linked glycosylation in the Golgi apparatus by catalyzing the transfer of GalNAc to serine

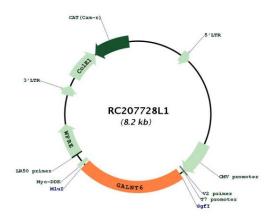
and threonine residues on target proteins. They are characterized by an N-terminal

transmembrane domain, a stem region, a lumenal catalytic domain containing a GT1 motif and Gal/GalNAc transferase motif, and a C-terminal ricin/lectin-like domain. GalNAc-Ts have different, but overlapping, substrate specificities and patterns of expression. The encoded protein is capable of glycosylating fibronectin peptide in vitro and is expressed in a fibroblast cell line, indicating that it may be involved in the synthesis of oncofetal fibronectin. [provided

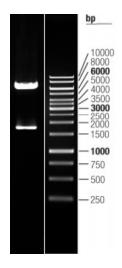
by RefSeq, Jul 2008]



Product images:



Circular map for RC207728L1



Double digestion of RC207728L1 using Sgfl and Mlul $\,$