

## Product datasheet for **TL509289V**

### Galnt11 Mouse shRNA Lentiviral Particle (Locus ID 231050)

#### Product data:

Product Type:	shRNA Lentiviral Particles
Product Name:	Galnt11 Mouse shRNA Lentiviral Particle (Locus ID 231050)
Locus ID:	231050
Synonyms:	A430075I06Rik; AI648252; E430002F06Rik
Vector:	pGFP-C-shLenti (TR30023)
Format:	Lentiviral particles
Components:	Galnt11 - Mouse shRNA lentiviral particles (4 unique 29mer target-specific shRNA, 1 scramble control), 0.5 ml each, >10 <sup>7</sup> TU/ml.
RefSeq:	<a href="#">BC011428</a> , <a href="#">BC021504</a> , <a href="#">BC034184</a> , <a href="#">BC034185</a> , <a href="#">BC036143</a> , <a href="#">BC036145</a> , <a href="#">NM_144908</a> , <a href="#">NM_001359890</a> , <a href="#">NM_144908.1</a> , <a href="#">NM_144908.2</a> , <a href="#">NM_144908.3</a> , <a href="#">BC031150</a> , <a href="#">NM_144908.4</a>
UniProt ID:	<a href="#">Q921L8</a>
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) (By similarity).[UniProtKB/Swiss-Prot Function]
shRNA Design:	These shRNA constructs were designed against multiple splice variants at this gene locus. To be certain that your variant of interest is targeted, please contact <a href="mailto:techsupport@origene.com">techsupport@origene.com</a> . If you need a special design or shRNA sequence, please utilize our <a href="#">custom shRNA service</a> .



[View online »](#)

**Performance  
Guaranteed:**

OriGene guarantees that the sequences in the shRNA expression cassettes are verified to correspond to the target gene with 100% identity. One of the four constructs at minimum are guaranteed to produce 70% or more gene expression knock-down provided a minimum transfection efficiency of 80% is achieved. Western Blot data is recommended over qPCR to evaluate the silencing effect of the shRNA constructs 72 hrs post transfection. To properly assess knockdown, the gene expression level from the included scramble control vector must be used in comparison with the target-specific shRNA transfected samples.

For non-conforming shRNA, requests for replacement product must be made within ninety (90) days from the date of delivery of the shRNA kit. To arrange for a free replacement with newly designed constructs, please contact Technical Services at [techsupport@origene.com](mailto:techsupport@origene.com). Please provide your data indicating the transfection efficiency and measurement of gene expression knockdown compared to the scrambled shRNA control (Western Blot data preferred).