

Product datasheet for **MR218246**

Galnt15 (NM_026449) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Galnt15 (NM_026449) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Galnt15
Synonyms:	1700021B12Rik; Galnt15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR218246 representing NM_026449
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAAAGTGCATAATTCAGGGTTTATTCTGTGGATTCTGGCCATCGGGCTCTGGGCATCTATGTTAC
 TTTTGTGTTTGCACCTTGAACAAGAAGACATGCTGGAGAATGAAAAGGAGGAACCTCTAAAGAAGAGGTC
 ACTCGGAAAAAATGCGCACCGCAAAACCGTCACTCAGAGGACGTCATCATGATGAGGTTAACTTTTCA
 GATCCAGAACTTATCCAAGGATTGAGGCGATATGGATTAATGCCATCATGAGTAGAAGACTGGGCATCG
 AGAGAGAGGTGCCAGATTCCAGGGATAAAATATGTCAGCAGAAACACTACCCATTCAATCTACCCACTGC
 CAGCATCATATGCTTCTATAATGAAGAATTAACACCTTGCTCCGGCAGTGTGAGTGTGGTGAAC
 CTCAGTCCGACGATCTCTGGAGGAGATCATTCTGGTGGATGACATGAGTGAATTTGATGATTTGAAGG
 ACAAACTGGACTATTATCTGAAAATTTTCGTGAAAAGTTAAATTAATAAGAAAACAAAAGAGAGAGGG
 TCTTATCAGATCAAAGATGATTGGCGCTCCCGGGCTTCAGGGGACATCTGGTGTCTTGGATAGTCAC
 TGTGAGGTGAATAGAGTCTGGCTAGAACCCTTGCTGCATGCCATTGCTAAGGATCACAAAATGGTGGTAT
 GCCCTATTATCGATGTCATCAATGAATTAACCTTGGATTATATGGCGGCACCTATTGTAAGGGGAGCTTT
 TGACTGGAATCTGAATCTCAGATGGGACAATGTTTTCGCATATGAGTTGGACGGCCAGAAGGACCAAGT
 ACACCTATCCGGTCACCTGCAATGACAGGAGGAATTTTTGCTATAAACAGACATTATTTTAACTTG
 GACAATATGACAACGGCATGGATATTTGTGGAGGAGAAAATGTGGAACCTTCGCTAAGAATCTGGATGTG
 TGGAGGCCAGCTTTCATACTCCCTTGCTCTCGGGTTGGATATAACAGTAAGGCGCTGAGTCAACACAGG
 CGTGCAAACAGAGTGCCTTGTCAAGGAATTTACTGCGAGTGGTTCACGTCTGGCTAGATGAATAACAAGG
 GAAACTTTTTTTCTCAAAGACCTTCTTTGACATACGTTTCTGTGAAAATATTAGTGAGCGCGTGGAAAT
 AAGGAAAACGCTGGGTTGCAAGTCAATCCAGTGGTATTTGGATAATATCTTTCCAGAGTTGGAGCCATTT
 AACACAGAGAGGAAAAGGAAAAAATCGTTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR218246 representing NM_026449
 Red=Cloning site Green=Tags(s)

MKSVIIQGLFCGFLAIGLWASMLLLFLHLEQEDMLENEKEELLKKRSLGKNAHQQTRHSEDVTHDEVNFS
 DPELIQGLRRYGLNAIMSRRLGIEREVPDSRDKICQKHYPFNLPTASIIICFYNEEFNTLLRAVSSVVN
 LSPQHLLLEEIILVDDMSEFDDLKDKLDYYLEIFRGKVKLIRNKKREGLIRSKMIGASRASGDILVFLDSH
 CEVNRVWLEPLLHAIKDHKMOVCPIIDVINELTDYMAAPIVRGAFDWNLNLRWDNVFAYELDGPEGPS
 TPIRSPAMTGGIFAINRHVFNELGQYDNGMDICGGENVLSLRIWMCQQQLFILPCSRVGVNSKALSQHR
 RANQSALSRNLLRVVHVWLDYKGNFVLRQPSLTYVSCGNISERVELRKRLGCKSFQWYLDNIFPELEPF
 NTERKRKKNRF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9017_h05.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_026449

ORF Size: 1293 bp

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: [NM_026449.3](#), [NP_080725.2](#)

RefSeq Size: 1599 bp

RefSeq ORF: 1296 bp

Locus ID: 67909

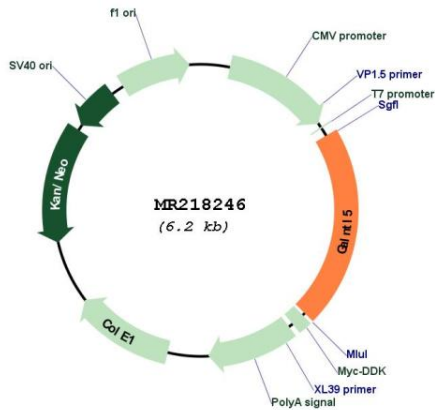
UniProt ID: [Q9D4M9](#)

Cytogenetics: 5 A3

MW: 50.3 kDa

Gene Summary: Probable inactive glycosyltransferase required during spermatid development. May participate in protein loading into the acrosomes and accumulation of ubiquitin-proteasome systems around the head-tail coupling apparatus region.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR218246