

Product datasheet for **MG218246**

Galnt15 (NM_026449) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Galnt15 (NM_026449) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Galnt15
Synonyms:	1700021B12Rik; Galnt15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG218246 representing NM_026449 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAAAGTGCATAATTCAGGGTTTATTCTGTGGATTCTGGCCATCGGGCTCTGGGCATCTATGTTAC
TTTTGTTTTGCACCTTGAACAAGAAGACATGCTGGAGAATGAAAAGGAGGAACCTAAAGAAGAGGTC
ACTCGGAAAAATGCGCACCAGCAAACCCGTCCTCAGAGGACGTCCTCATGATGAGGTTAACTTTTCA
GATCCAGAACTTATCCAAGGATTGAGGCGATATGGATTAATGCCATCATGAGTAGAAGACTGGGCATCG
AGAGAGAGGTGCCAGATTCCAGGATAAAAATATGTCAGCAGAAACACTACCCATTCAATCTACCCACTGC
CAGCATCATCATATGCTTCTATAATGAAGAATTTAACACCTTGCTCCGGGCAAGTGTGAGTGTGGTGAAC
CTCAGTCCGCAGCATCTCCTGGAGGAGATCATTCTGGTGGATGACATGAGTGAATTTGATGATTTGAAGG
ACAAACTGGACTATTATCTGGAAATTTTTCTGGGAAAAGTTAAATTAATAAGAAACAAAAAGAGAGAGGG
TCTTATCAGATCAAAGATGATTGGCGCCTCCCGGGCTTCAGGGGACATCCTGGTGTCTTGGATAGTCAC
TGTGAGGTGAATAGAGTCTGGCTAGAACCCTTGCTGCATGCCATTGCTAAGGATCACAAAATGGTGGTAT
GCCCTATTATCGATGTCATCAATGAATTAACCTTGATTATATGGCGGCACCTATTGAAGGGGAGCTTT
TGACTGGAATCTGAATCTCAGATGGGACAATGTTTTCGCATATGAGTTGGACGGCCAGAAGGACCAAGT
ACACCTATCCGGTCACCTGCAATGACAGGAGGAATTTTTGCTATAAACAGACATTATTTTTAATGAACTTG
GACAATATGACAACGGCATGGATATTTGTGGAGGAGAAAATGTGGAACCTTCGCTAAGAATCTGGATGTG
TGGAGGCCAGCTTTCATACTCCCTTGCTCTCGGTTGGATATAACAGTAAGGCGCTGAGTCAACACAGG
CGTGCAAACCAGAGTGCCTTGTCAAGGAATTTACTGCGAGTGGTTCACGCTGGCTAGATGAATACAAGG
GAAACTTTTTCTCAAAGACCTTCTTTGACATACGTTTCCTGTGGAAATATTAGTGAGCGCGTGGAAAT
AAGGAAACGCCTGGTTGCAAGTCATTCCAGTGGTATTTGGATAATCTTTCCAGAGTTGGAGCCATT
AACACAGAGAGGAAAAGGAAAAAATCGTTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG218246 representing NM_026449
 Red=Cloning site Green=Tags(s)

MKSVIIQGLFCGFLAIGLWASMLLLFLHLEQEDMLENEKEELLKKRSLGKNAHQQTRHSEDVTHDEVNFS
 DPELIQGLRRYGLNAIMSRRLGIEREVPDSRDKICQKHYPFNLPTASIIICFYNEEFNTLLRAVSSVVN
 LSPQHLLLEEIILVDDMSEFDDLKDKLDYYLEIFRGKVKLIRNKKREGLIRSKMIGASRASGDILVFLDSH
 CEVNRVWLEPLLHAIADHKMVCPIIDVINELTDYMAAPIVRGAFDWNLNLRWDNVFAYELDGPEGPS
 TPIRSPAMTGGIFAINRHVFNELGQYDNGMDICGGENVLSLRIWMCQQQLFILPCSRVGYNSKALSQHR
 RANQSALSRNLLRVVHVWLDEYKGNFFLQRPSTLYVSCGNI SERVELRKRLGCKSFQWYLDNIFPELEPF
 NTERKRKKNRF

TRTRPLE - GFP Tag - V

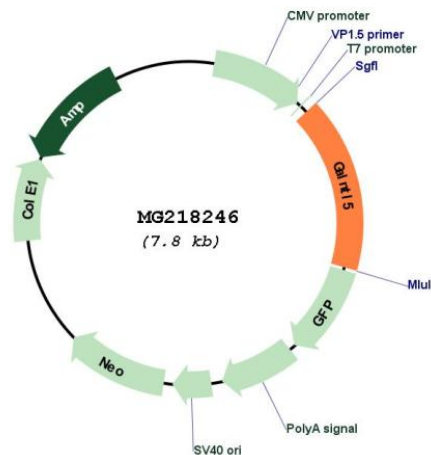
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



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:	<ol style="list-style-type: none">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
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]