

Product datasheet for **MC201975**

Galm (NM_176963) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Galm (NM_176963) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Galm
Synonyms:	A530057M15Rik; AU015645; AU020959
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC028818 sequence for NM_176963
 GCTAGAGTTTGAACAGCAAGGAGAAGCTGCACACCCTGAACTTTCCCAATGGTTTTCGGTGACCAGAACCG
 TGTTTTGGAGAGCTGCCCTCGGGGGAGGGACAGTGGAGAAATCCAGCTTCGGTCAGACCAGCTGAGTGT
 GGACATCATCTCATGGGGCTGCACGATCACTGCTCTGCAGGTCAAAGACAGGCAGGGGAAAGCCTCAGAC
 GTGGTGCCTGGCTTTGCGGAATTGGAAGTTACCTCCAGAAGCAGCCCTACTTTGGAGCAGTGGTTGGGA
 GGGTAGCCAACCGAATTGCCAAAGGAAGATTCACTATAGGTGGGAAGGAGTACCACCTGCCAGTTAACAG
 AGAGCCCAACAGTCTCCATGGCGGATTACGGGGTTTGATAAGGTCTCTGGACCCTCAGTGTGGACC
 AATGGCGTCCAGTCTTTTCGAGTCAGTCCAGATGGTGAGGAAGGCTACCCTGGAGAGCTGAAAGTCTGGG
 TGACATATAACCCTGGATGGTGGGAGCTTGTAACTCAACTACAGAGCACAGGCCAGCCAGACCACTCCAGT
 TAATCTGACCAACCATTCTTATTTCAACCTAGCAGGCCAGGGCTCCCAAATATATATGACCATGAAGTC
 ACCATTGCAGCAGATGCATATTTGCCCGTGGATGAAACTCTGATTCCAACAGGAGTCATTGCTCCAGTGG
 AAGAACTGCCTTCGACCTGAGAAAGCCAGTGGAGCTTGGAAACACACCTGCAGGATTACCACATCCATGG
 TTTTCGACCATAATTTCTGTCTGAAGGAGTCAAAGAAAAGAAAGTTTTGTGCAAGGGTGCCTCAGCTGCA
 AGTGGGAGGATCCTGGAAGTATATACCACACAACCAGGCGTCCAGTTTTACACAGGAAACTTCTTGATG
 TACTCTGAAAGCAAGAACGGTGGGTGTATCCCAAGCACTCAGTCTCTGCCTCGAGACCCAGAAGTGC
 GCCTGATTCGGTCAATCAGCCCCAGTCCCTCCGGCGCTGCTGAGGCCTGGAGAGGAATACAACCACACT
 ACCTGGTTCAGTCTCTGTTGCTTAAAGAAGACGGAAGATGAGACCCGGTCCCACTCACCTGCCTTGC
 TTTAAAAGTAATCCTGCGTGTTAAATCATACAGATCGTAGCAGCCATAAATCAATGTGAATACTGATA
 CCCTTTCCAGCAGCTACAGACTATGTCTAATGACCAGCTCTGTTCTCTGTCTAGTGCCATCGCCTAAGG
 TCTGATCCTGGTAGAGAAGTGGTCTGTGGACTCTCTGATTTTCATAGGTTCCATCTTTCCATCCTGGTT
 CCATCTTGCTATTTCTTTAACGCCTTCTTTTGTGACAGAACTCTGTTTTCTGCCTCCTCTTTGAC
 CTCAGACTACCCCTCCAGAAGTTTTAACAGCTCTTGAGTTCAAGCTGTGAGAATTAAGTCTCCCTCT
 GTGCCTTACCTCAATCTGCCTGAACATTCCTAGGGTCACTGAAGGACAAGCAGGCTTTGGAGCTGCT
 CCGTCAGAGCCTTTCTTCTCAGACTTACCGTAGGAGCTAGAGATGGCTGAGCAGTGAAGAACACACTG
 CTCTTGACAGAGGACCAGAGTCCACCCTGTGAGGCTCTAGGGGAGCAAGCCCCCTCTTTCTAGCCTCTGG
 GAATCCCACACTCATGCGCACCCACACATCCACAACAGTTAAAAATAAATCTTAAATGGTGGGAAAAAAA
 AATCACTTTAGAAGCATTGAGTGAGTTGAACTATCTTTTTAGAGATGGTGTGATTTAAGTTGTAAGATC
 CAAATACCCAGGATAATTTAGTTTTCTGCCTTTGAGATTAAGTGGAGCTTGGCTAAGGTGTAGCAAG
 ACGCACAGGCATAGGAGGACAGGCTCACACCAACAGTGCCTGAGCATTCAACTGTGACTAGAAGTA
 GATGCTCCCTTGAGATGAAATGGGTGGAGGCTCCTCATTTCTCAAAGATGACGTCATCGCTGATGTGCC
 TAGGCTGCTGATTTGGGAAAAAAAATATAGTTTTATGTTATTATCTGCTACAATCAGTTCAAATAAAA
 CCAAAAATGTCCTCTTAAAAAATT

- Restriction Sites:** RsrII-NotI
- ACCN:** NM_176963
- Insert Size:** 1029 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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: [BC028818](#), [AAH28818](#)

RefSeq Size: 2139 bp

RefSeq ORF: 1029 bp

Locus ID: 319625

UniProt ID: [Q8K157](#)

Cytogenetics: 17 E3

Gene Summary: Mutarotase converts alpha-aldose to the beta-anomer. It is active on D-glucose, L-arabinose, D-xylose, D-galactose, maltose and lactose (By similarity).[UniProtKB/Swiss-Prot Function]