

Product datasheet for RN206643

Galm (NM_001007704) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Galm (NM_001007704) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Galm
Synonyms:	MGC93738
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN206643 representing NM_001007704 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTTTCGGTGACCAGAACCGTGTGGAGAGCTGCCCTCGGGGGAGGGGCAGTGGAGAAGTTCAGC
TTCGGTCAGACCAGCTGAATGTGGACATCATCTCCTGGGGCTGCACGATCACTGCTCTGCAGGTCAAAGA
CAGGCAGGGGAAAGCCTCAGACGTGGTGGCTTTGCCGAGTTGGAAGGTTACCTCCAGAAGCAGCCC
TACTTCGGAGCAGTGGTGGGAGGGTAGCCAACCGAATTGCCAAAGGAAGGTTACAGTAGATGGGAAGG
AGTACCACCTGCCATTAACAGAGAGCCCAACAGTCTCCATGGAGGATTCAGAGGATTTGATAAGGTCCT
CTGGACTCCTCAGGTGCTGCCAACGGCGTCCAGTTCTCTCGAGTCAGTCCAGATGGTGAGGAAGGCTAC
CCTGGAGAGTTGAAAGTCTGGGTGACATATACCCTGGATGGCGGAGAGCTTGTAGTCAACTACAGAGCCC
AGGCCAGCCAGACCCTCCAGTTAATCTCACCAACCATTTATTTTAACTAGCAGGCCAGGGCTCCCC
AGATATATATGACCACGAAGTCACCATTGCCGAGATGCATACTTGCCCTGTGGATGAAACTCTGATTCCA
ACAGGAGTCATTGCTCCGGTGAAGGAAGTCTTTGACCTGAGAAAGCCAGTGGAGCTCGGAAACACC
TGCAGAGTTACCACATCCATGGTTTCGACCATAATTTCTGCTGAAGGAGTCCAAAGAAAAGAAGTTTTG
TGCAAGGGTGCATCAGCTGCAAGTGGGAGGATCCTGGAAGTGTACACCACCAACCTGGCGTCCAGTTC
TACACAGGAAACTCTTGGATGGTACCCTGAAGGCAAGAGTGGAGAGGCTATCCCAAGCACTCTGGTT
TCTGCCTCGAGACCCAGAACTGGCCTGATGCAGTCAACCCAGCCCCAGTTCCTCCGATACTGCTGAGGCC
TGGAGAGGAGTACAACCACACCCTGGTTCAAGTTCTCCGTTGCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_001007704
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:	<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:	<u>NM_001007704.1</u> , <u>NP_001007705.1</u>
RefSeq Size:	2202 bp
RefSeq ORF:	1029 bp
Locus ID:	313843
UniProt ID:	<u>Q66HG4</u>
Cytogenetics:	6q11
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]