

Product datasheet for **RR202350**

Galt (NM_001013089) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Galt (NM_001013089) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Galt
Synonyms: MGC112778
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR202350 representing NM_001013089
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGTCGAAAGCGGAGCCGATCCTGAGCAGCGCCAGCAGGCTTCAGAGGGGACGCCATGGCAGCGACCT
TCCGGGCGAGCGAACACCAGCATATTCGCTACAACCCGCTCCAGGATGAGTGGGTGTAGTGTGAGCCCA
TCGCATGAAGCGGCCCTGGCAAGGACAAGTGGAGCCCCAGCTTCTGAAGACGGTCCCCGCCATGACCCA
CTCAACCCCTCTGTGTCCCGGGCCACACGAGCTAATGGGGAGGTGAATCCCCCTATGATGGCACCTTCT
TATTTGACAATGACTTCCCGGCTCTGCAGCCCGATGCTCCGGATCCAGGACCCAGTGACCACCCTCTCTT
CCGAGTGGAGGCCCGCAGAGGAGTTTGTAAAGTTCATGTGCTTCCACCCCTGGTCCGATGTGACGCTGCCA
CTCATGTCTGTCCCTGAGATCCGAGCTGTATCGATGCATGGGCCTCAGTCACAGAGGAAGTGGGCGCC
AGTACCCTTGGGTGCAGATCTTTGAAAACAAAGGAGCCATGATGGGTGCTTAACCCCATCCCCACTG
CCAGGTTTGGGCTAGCAATTTCTGCCAGATATTGCCAGCGTGAAGAGCGATCCAGCAGACTTATCAC
AACCAGCATGAAAAGCCTTTATTATTGGAATATGGCCACCAAGAGCTCCTCAGGAAGGAACGTCTGGTCC
TAACCAGTGAGTACTGGATAGTTCTGGTCCCCTTCTGGGAGTGTGGCCTTCCAGACATTACTGTGCC
CCGACGGCAGTGCAGCGGCTACCTGAGCTGACCCCTGCTGAGCGTGATGATCTAGCCTCCACCATGAAG
AAGCTCTTGACCAAGTATGACAACCTGTTTGAGACGTCCTTCTTACTCCATGGGCTGGCAGGGGCTC
CCATGGGATTAAGACTGGAGCCACCTGTGACCACTGGCAGCTCCATGCTCACTATTACCCCCACTCCT
GCGATCGGCTACTGTTCCGAAATTCATGGTTGGCTATGAAATGCTTGCCAGGCCAGCGTGACCTCACT
CCCGAACAGGCTGCAGAAAGATTAAGGGTGTCCCTGAGGTACACTATTGCTGACGCAGAAAGACAAGG
AAACAGCAGCCACCGCTAAACAGCAGCCACCGCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RR202350 representing NM_001013089
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MSQSGADPEQRQQASEADAMAATFRASEHQHIRYNPLQDEWLVSAHRMKRPWQQQVEPQLLKTVPRHDP
 LNPLCPGATRANGEVNPPYDGTFLFDNDFPALQPDAPDPGPSDHPLFRVEAARGVCKVMCFHPWSDVTLPL
 LMSVPEIRAVIDAWASVTEELGAQYPWVQIFENKGAMMGCSNPHPHCQVWASNFLPDIAQREERSQQTYH
 NQH GKPLLLLEYGHQELLRKERL VLTSEYWI VLVPFWAVWPFQTL LLLPRRHVQRLPELTPAERDDLASTMK
 KLLTKYDNLFETSFYSGWGHGAPMGLKGTGATCDHWQLHAHYYP LLSATVRKFMVGYEMLAQAQRDLT
 PEQAAERLRVLPVHYCLTQKDKETAATAKQPPP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

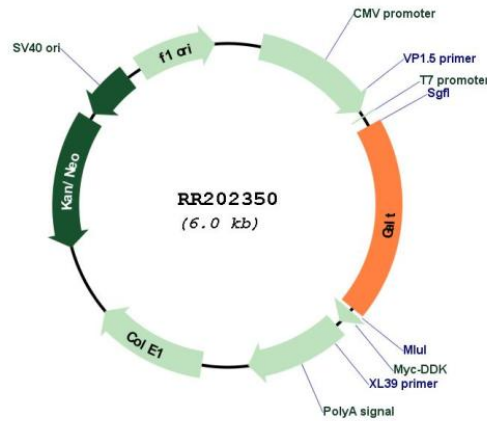
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001013089

ORF Size:	1137 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 Size:	1375 bp
RefSeq ORF:	1140 bp
Locus ID:	298003
UniProt ID:	P43424
Cytogenetics:	5q22
MW:	43.3 kDa
Gene Summary:	Plays an important role in galactose metabolism.[UniProtKB/Swiss-Prot Function]