

Product datasheet for **RR206144**

Galnt13 (NM_199106) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Galnt13 (NM_199106) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Galnt13
Synonyms:	T13
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR206144 representing NM_199106
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGGAGACTCGTCTACTGCAAGGTGGTTCTGGCCACTTCGCTGATGTGGGTGCTTGTCGATGTCTTCT
 TACTGCTGTACTTCAGCGAGTGAACAAGTGTGATGACAAGAAGGAGAGATCCCTGCTACCTGCGCTGAG
 GGCTGTCAATTTCAAGAAACCAAGAGGTCCAGGAGAAATGGGAAAGGCTGTGCTCATTCCAAAAGATGAT
 CAAGAGAAAATGAAAGAGTTGTTAAAAATCAATCAGTTTAACTCATGGCCAGTGACTTGATTGCTCTTA
 ACCGAAGTCTGCCAGATGTGAGATTAGAAGGCTGCAAGACTAAAGTCTACCCTGATGAACTTCCAAACAC
 AAGCGTCGTCATTGTATTCCATAATGAAGCTTGGAGCACTCTACTTAGAACTGTCTATAGTGTCAAAAT
 CGCTACCCGCACTACCTGCTCTCTGAGGTCATCTGGTTGATGATGCCAGTGAAGAGATTTCTCAAGT
 TGACATTAGAGAACTACGTGAAGACTTTAGAAGTCCCGGTGAAAATTATCAGGATGGAAGAACGCTCCGG
 GTTAATACGCGCTCGTCTCCGAGGAGCAGCTGCTTCAAAGGACAGGTCATAACTTTTCTGGATGCACAC
 TGTGAGTGCACCTTAGGATGGCTGGAGCCCTTCTGGCGAGAATAAAGGAAGACAGGAAAACAGTTGTGT
 GCCCAATCATTGATGTTATTAGCGATGATACCTTTGAGTACATGGCTGGTTCAGACATGACTTATGGTGG
 TTTAACTGGAAGCTAAATTTCCGATGGTATCCTGTCCCTCAAAGAGAAATGGATAGGAGAAAAGGAGAC
 AGGACCTTACCTGTCAGGACCCCTACTATGGCTGGTGGCCTATTTTCTATTGACAGAAACTACTTTGAAG
 AGATAGGAACTTACGATGCAGGAATGGATATCTGGGGTGGAGAGAATCTTGAAATGTCTTTTAGGATCTG
 GCAATGTGGAGGCTCTTTGGAGATTGTGACTTGTCTCATGTCCGTCATGTTTTTCGAAAGGCAACTCCA
 TACACCTTTCTGGTGGCACTGGCCATGTCATTAACAAGAACAACAGAAGACTAGCAGAAGTTTGGATGG
 ATGAATCAAAGATTTCTTATATCATATCCCCAGGTGTTGTCAAAGTGGATTATGGAGATGTGTGATG
 GAGAAAAACACTAAGGGAAAATCTGAAGTGAAGCCTTTTTCTTGGTACCTAGAAAACATCTATCCGGAC
 TCCAGATCCCAAGACGTTATTACTCACTTGGTGAATACGAAATGTTGAAACCAATCAATGCCTAGACA
 ACATGGGCGCAAAGAAAATGAAAAAGTGGGTATCTTCAACTGCCATGGCATGGGAGGTAACCAGGTGTT
 TTCTTACTGCTGACAAAGAAATCCGAACTGATGACTTGTGCCTGGATGTATCCAGACTCAGTGGGCT
 GTAATCATGTTAAAAATGCCACCACATGAGAGGGAATCAGCTGTGGGAGTATGATGCTGAGAGACTCACTT
 TGAGACATGCTAACAGTAACCAATGTCTTGATGAACCTTCTGAAGAAGACAAAATGGTGCCTACCATGCA
 AGACTGCAGTGGCAGCAGATCTCAACAATGGCTGCTGAGGAACATGACCTTGGGGACA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR206144 representing NM_199106
 Red=Cloning site Green=Tags(s)

MRRLVYCKVVLATSLMWVLDVFLLLYFSECNKDDKERSLLPALRAVISRNQEGPGEMGKAVLIPKDD
 QEKMKELFKINQFNLMASDLIALNRSLPDVRLGCKTKVYPDELNPNTSVVIVFHNEAWSTLLRRTVYSVIN
 RSPHYLLSEVILVDDASERDFLKLLENYVKTLEVPVKIIRMEERSGLIRARLRGAAASKGQVITFLDAH
 CECTLGWLEPLLARIKEDRKTVCPIIDVSDDFEYMGSDMTYGGFNWKLNFRWYVPVQREMDRRKGD
 RTL PVRTPTMAGGLFSIDRNYFEEIGTYDAGMDIWGGENLEMSFRIWQCGSLEIVTCSHVGHVFRKATP
 YTFPGGTGHVINKNNRRLAEVWMEFKDFYIISPGVVKVDYGDVSVRKTLENLCKPFSWYLENIYPD
 SQIPRRYYSLGEIRNVETNQCLDNMGRKENEKVGIFNCHGMGNQVF SYTADKEIRTDLCLDVSRLSGP
 VIMLKCHHMRGNQLWEYDAERLTLRHANSNQCLDEPSEEDKMVPTMQDCSGRSRQQWLLRNMTLGT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

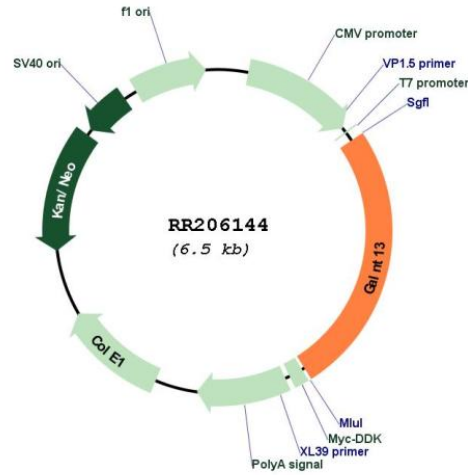
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_199106
ORF Size:	1668 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_199106.1 , NP_954537.1
RefSeq Size:	2191 bp
RefSeq ORF:	1671 bp
Locus ID:	311039
UniProt ID:	Q6UE39
Cytogenetics:	3q12
MW:	63.9 kDa
Gene Summary:	human homolog is a member of a family of proteins which catalyze the transfer of N-acetyl-alpha-d-galactosamine to polypeptides such as mucin which initiates O-Linked glycosylation [RGD, Feb 2006]