

Product datasheet for **MR224112**

Galnt1 (NM_013814) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Galnt1 (NM_013814) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Galnt1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR224112 representing NM_013814
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGAAAATTTGCATATTGCAAGTGGTTCTAGCCACCTCCTTGGTTTGGTACTCTTGGATATGTTCC
 TGCTGCTTTACTTCAGTGAATGCAACAAATGTGAAGAGAAGCAGGAGAGAGGACTTCCTGCTGGTGACGT
 TCTAGAGCTAGTGCAGAAACCTCATGAAGTCTCGGAGAAATGGGAAACCAGTCGTCATTCCGAAAGAG
 GATCAAGAAAAGATGAAAGAGATGTTTAAATCAATCAGTTCACTTAATGGCAAGTGAGATGATTGCAC
 TCAACAGATCCTTACCAGATGTGAGGTTAGAGGGGTGTAACAAAGGTGATCCAGATAACCTTCTAC
 AACAAAGTGGTATTGTTTTCCACAATGAGGCATGGAGCACACTTCTGCGAACAGTCCATAGTGCATT
 AATCGCTCGCAAGACATATGATAGAAGAGATTGTTCTGTAGATGATGCCAGTAAAGAGACTTTTTGA
 AAAGACCTCTAGAGATTATGTGAAAAACTGAAAGTCCCGTTCATGTAATCGAATGGAGCAGCGCTC
 TGGGTTGATCAGAGCTAGATTGAAAGGAGCTGCTGTGTCCAGAGGCCAAGTGATCACCTTCTTAGATGCT
 CACTGTGAATGCACCGCAGGGTGGCTGGAGCCTCTGTTGGCCCGATCAAACATGACAGGAGGACAGTGG
 TGTGTCCTATCATCGACGTGATCAGTGTGACACTTTCGAGTACATGGCGGGCTCTGACATGACCTATGG
 TGGCTTCAACTGGAAGCTCAATTTTCGTTGGTATCCTGTTCCCGAGCAGAAAATGGACAGAAGGAAAGGT
 GACAGGACTCTTCTGTGAGAACACCTACAATGGCTGGAGGCCTTTTTCAATAGACAGAGATTACTTTC
 AGGAAATTGGAACATACGATGCTGGAATGGATATTTGGGGAGGAGAAAACCTAGAAATTTCAATTTAGGAT
 TTGGCAGTGTGGAGAACTTTGGAAATAGTGACATGCTCCCATGTTGGTCATGTGTTTCGGAAAGCTACA
 CCTTACACATTTCCAGGAGGGACAGGGCAGATTATCAATAAGAAATACAGGCGGCTTGCAGAAGTATGGA
 TGGATGAATTCAGAATTTCTTCTATATAATTTCTCCAGGTGTTACAAAGGTAGATTATGGAGATATC
 ATCAAGACTTGGCCTAAGACGTAACACTACAATGCAAACTTTCTCTTGGTACCTAGAAAAATTTACCT
 GATTCTCAAATTCCTCGTCACTATTTCTCATTGGGAGAGATACGAAATGTGGAACAAATCAGTGTCTAG
 ATAACATGGCTAGAAAAGAGAATGAAAAGGTTGGAATCTTTAATTGTCATGGTATGGGAGGTAATCAGGT
 TTTCTCTACACTGCCAACAAAGAAATAGAACAGACGACCTTTGTTGGACGTTTCCAACTTAATGGC
 CCAGTACCATGCTCAAATGCCACCACATAAAAGGCAACCAGCTCTGGGAGTATGACCCAGTGAAATTA
 CCCTGCAGCATGTGAACAGCAATCAGTGCCTGGATAAAGCCACAGAGGAGGACAGCCAGGTGCCAGCAT
 TAGAGACTGCACTGGAAGCCGGTCCAGCAGTGGCTTCTCGAAACGTCACCTTCCAGAAATATTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR224112 representing NM_013814
 Red=Cloning site Green=Tags(s)

MRKFAYCKVVLATSLVWVLLDMFLLLYFSECNKCEEKQERGLPAGDVLELVQKPHEGPGEMGKPVVIPKE
 DQEKMKEMFKINQFNLMASEMIALNRSLPDVRLGCKTKVYPDNLPTTSVVIVFHNEAWSTLLRTHVSVI
 NRSRPHMIEEIVLVDDASERDFLKRPLESYVKKLKVPHVIRMEQRSLIRARLKGAAVSRGQVITFLDA
 HCECTAGWLEPLLARIKHDRRTVVCPIIDVISDDTFEYMAGSDMTYGGFNWKLNFRWYPVPQREMDRRKG
 DRTLPRVPTMAGGLFSIDRDYFQEIGTYDAGMDIWGGENLEISFRIWQCGGTLEIVTCSHVGHVFRKAT
 PYTFPGGTGQIINKNNRRLAEVWMDEFKNFFYIISPGVTKVDYGDISSRLGLRRKLQCKPFSWYLENIYP
 DSQIPRHYFSLGEIRNVEITNQCLDNMARKENKVGIFNCHGMGGNQVFSYANKEIRTDLCLDVSKLNG
 PVTMLKCHHLKGNQLWEYDPVKLTQHVNSNQCLDKATEEDSQVPSIRDCTGSRSQWLLRNVTLP EIF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9030_d04.zip

Restriction Sites:

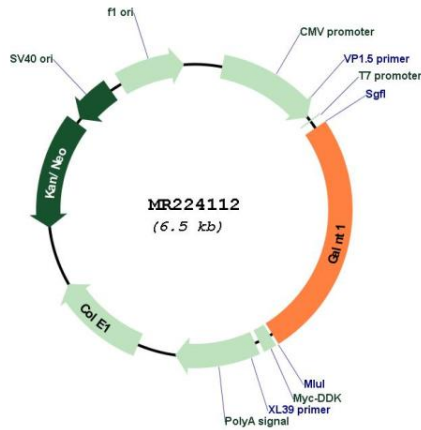
Sgfl-Mlul

Cytogenetics: 18 A2

MW: 64.7 kDa

Gene Summary: Catalyzes the initial reaction in O-linked oligosaccharide biosynthesis, the transfer of an N-acetyl-D-galactosamine residue to a serine or threonine residue on the protein receptor. Has a broad spectrum of substrates for peptides such as EA2, Muc5AC, Muc1a, Muc1b and Muc7. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR224112