EMPOWER YOUR RESEARCH

## Product datasheet for RG214166

## GALNT1 (NM_020474) Human Tagged ORF Clone

## Product data:

Product Type: Expression Plasmids
Product Name: GALNT1 (NM_020474) Human Tagged ORF Clone
Tag:
Symbol:
Synonyms:
Mammalian Cell
Selection:
Vector:
E. coli Selection:

TurboGFP
GALNT1
GALNAC-T1
Neomycin
pCMV6-AC-GFP (PS100010)
Ampicillin ( $100 \mathrm{ug} / \mathrm{mL}$ )

## ORF Nucleotide

Sequence:

## Protein Sequence:

Restriction Sites:
>RG214166 representing NM_020474
Red=Cloning site Blue=ORF Green=Tags(s)
TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC

ATGAGAAAATTTGCATACTGCAAGGTGGTCCTAGCCACCTCCTTGATTTGGGTACTCTTGGATATGTTCC TGCTGCTTTACTTCAGTGAATGCAACAAATGTGATGAAAAAAAGGAGAGAGGACTTCCTGCTGGAGATGT TCTAGAGCCAGTACAAAAGCCTCATGAAGGTCCTGGAGAAATGGGGAAACCAGTCGTCATTCCTAAAGAG GATCAAGAAAAGATGAAAGAGATGTTTAAAATCAATCAGTTCAATTTAATGGCAAGTGAGATGATTGCAC TCAACAGATCTTTACCAGATGTTAGGTTAGAAGGGTGTAAAACAAAGGTGTATCCAGATAATCTTCCTAC AACAAGTGTGGTGATTGTTTTCCACAATGAGGCTTGGAGCACACTTCTGCGAACTGTCCATAGTGTCATT AATCGCTCACCAAGACACATGATAGAAGAAATTGTTCTAGTAGATGATGCCAGTGAAAGAGACTTTTTGA AAAGGCCTTTAGAGAGTTATGTGAAAAAACTAAAAGTACCAGTTCATGTAATTCGAATGGAACAACGTTC TGGATTGATCAGAGCTAGATTAAAAGGAGCTGCTGTGTCTAAAGGCCAAGTGATCACCTTCCTGGATGCC CATTGTGAGTGTACAGTGGGATGGCTGGAGCCTCTCTTGGCCAGGATCAAACATGACAGGAGAACAGTGG TGTGTCCCATCATCGATGTGATCAGTGATGATACTTTTGAGTACATGGCAGGCTCTGATATGACCTATGG TGGGTTCAACTGGAAGCTCAATTTTCGCTGGTATCCTGTTCCCCAAAGAGAAATGGACAGAAGGAAAGGT GATCGGACTCTTCCTGTCAGGACACCTACCATGGCAGGAGGCCTTTTTTCAATAGACAGAGATTACTTTC AGGAAATTGGAACATATGATGCTGGAATGGATATTTGGGGAGGAGAAAACCTAGAAATTTCCTTTAGGAT TTGGCAGTGTGGAGGAACTTTGGAAATTGTTACATGCTCACATGTTGGACATGTGTTTCGGAAAGCTACA CCTTACACGTTTCCAGGAGGCACAGGGCAGATTATCAATAAAAATAACAGACGACTTGCAGAAGTGTGGA TGGATGAATTCAAGAATTTCTTCTATATAATTTCTCCAGGTGTTACAAAGGTAGATTATGGAGATATATC GTCAAGAGTTGGTCTAAGACACAAACTACAATGCAAACCTTTTTCCTGGTACCTAGAGAATATATATCCT GATTCTCAAATTCCACGTCACTATTTCTCATTGGGAGAGATACGAAATGTGGAAACGAATCAGTGTCTAG ATAACATGGCTAGAAAAGAGAATGAAAAAGTTGGAATTTTTAATTGCCATGGTATGGGGGGTAATCAGGT TTTCTCTTATACTGCCAACAAAGAAATTAGAACAGATGACCTTTGCTTGGATGTTTCCAAACTTAATGGC CCAGTTACAATGCTCAAATGCCACCACCTAAAAGGCAACCAACTCTGGGAGTATGACCCAGTGAAATTAA CCCTGCAGCATGTGAACAGTAATCAGTGCCTGGATAAAGCCACAGAAGAGGATAGCCAGGTGCCCAGCAT TAGAGACTGCAATGGAAGTCGGTCCCAGCAGTGGCTTCTTCGAAACGTCACCCTGCCAGAAATATTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA
>RG214166 representing NM_020474
Red=Cloning site Green=Tags(s)
MRKFAYCKVVLATSLIWVLLDMFLLLYFSECNKCDEKKERGLPAGDVLEPVQKPHEGPGEMGKPVVIPKE DQEKMKEMFKINQFNLMASEMIALNRSLPDVRLEGCKTKVYPDNLPTTSVVIVFHNEAWSTLLRTVHSVI NRSPRHMIEEIVLVDDASERDFLKRPLESYVKKLKVPVHVIRMEQRSGLIRARLKGAAVSKGQVITFLDA HCECTVGWLEPLLARIKHDRRTVVCPIIDVISDDTFEYMAGSDMTYGGFNWKLNFRWYPVPQREMDRRKG DRTLPVRTPTMAGGLFSIDRDYFQEIGTYDAGMDIWGGENLEISFRIWQCGGTLEIVTCSHVGHVFRKAT PYTFPGGTGQIINKNNRRLAEVWMDEFKNFFYIISPGVTKVDYGDISSRVGLRHKLQCKPFSWYLENIYP DSQIPRHYFSLGEIRNVETNQCLDNMARKENEKVGIFNCHGMGGNQVFSYTANKEIRTDDLCLDVSKLNG PVTMLKCHHLKGNQLWEYDPVKLTLQHVNSNQCLDKATEEDSQVPSIRDCNGSRSQQWLLRNVTLPEIF

TRTRPLE - GFP Tag - V
Sgfl-Mlul

## Cloning Scheme:

Cloning sites used for ORF Shuttling:

CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCGCGCCAGATCT

## Plasmid Map:



This product is to be used for laboratory only. Not for diagnostic or therapeutic use.

| ACCN: | NM_020474 |
| :--- | :--- |
| ORF Size: | 1677 bp |
| OTI Disclaimer: | The molecular sequence of this clone aligns with the gene accession number as a point of <br> reference only. However, individual transcript sequences of the same gene can differ through <br> naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This <br> clone is substantially in agreement with the reference, but a complete review of all prevailing <br> variants is recommended prior to use. More info |
|  | This clone was engineered to express the complete ORF with an expression tag. Expression <br> varies depending on the nature of the gene. |
| OTI Annotation: | The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube <br> containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water). |
| Components: | 1. Centrifuge at 5,000xg for 5min. |
| 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. |  |

