

Product datasheet for **MG225100**

Galns (NM_001193645) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Galns (NM_001193645) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Galns
Synonyms:	mFLJ00319
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG225100 representing NM_001193645 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GGCGCGCC**

ATGGCGGCTGTACCGCAGCCAGCAGCTGCTGCTGGTACTGAGTGCCCTAGGACTCTTGGCCGCAGGTG
CTCCGAGCCCCAACATCGTGCTACTGCTCATGGACGATATGGGGTGGGGTACTTGGGTGTGAATGG
AGAACCTCCAGAGAGACCCAAATTTAGACCGGATGGCTGCAGAAGGGATGCTTTCCCAAGTCTCTAT
TCTGCCAACCTTTGTGCTCACCATCTAGGGCAGCCCTGCTCACAGGACGGCTGCCCATCCGAATGGCT
TCTACACAACCAACGCTCATGCAAGGAATGCTTACACACCTCAGGAGATCATGGGTGGGATCCCTAACTC
AGAGCACCTCCTGCCGAGCTCCTGAAGAAGGCAGGCTATACCAACAAGATCGTGGGCAAGTGGCATCTG
GGTCATAGGCCCAAGTCCACCCCTGAAGCATGGATTTGACGAGTGGTTTGGATCTCCCAACTGTCACT
TTGGACCGTATGACAACAAGGCCAAGCCCAACATCCCTGTGTACAGGGACTGGGAGATGGTCCGGCAGATT
TTATGAAGAGTCCCAATTAACCGGAAGACTGGGAAGCTAACCTCACCCAGCTCTACACACAAGAAGCG
CTGGACTTCATCCAGACACAACATGCAAGGCAGAGCCCTTCTTCCTCTACTGGGCCATCGACGCCACTC
ATGCACCAGTTTACGCCCAAGACAGTTCTTGGGCACCAGCCTTCGAGGGCGGTATGGCGATGCTGTTCC
GGAAATAGATGACAGTGTGGGAAGATCTTGAGCCTTCGAGAAGTGGGCATCAGTAAGAACACATTT
GTCTTCTCACGTCTGATAATGGTGGCCCTCATTCTGCTCCCAACGAAGTGGCAGCAACGGTCCCT
TCCTGTGTGGGAAGCAGACGACATTTGAAGCGGGATGAGGGAGCCTCGCATCGCATGGTGGCCAGGACA
CATTGCTGCAGGCCAGGGCACTGACTTCTGCCCGGGCAGAACGTCTCAGGAGTTACAACCCACACCCAG
GAAGAACAACAGGAGCTACCCCTGATCTTCCACCTGGGACGGGACCCAGGGGAGAGATCCCACTCAGCT
TCCACAGTGACGAATACCAGGACGCCCTCAGCAGGACCCAGGTTGTCCAGGAGCACCAAAAGTCCTT
GGTCCCGGACAGCCCAAGCTCAATGTGTGTAACCGGCTGTGATGAATTGGGCACCCCAAGGCTGTGAA
AAACTAGGAAGTGTCTGACACCTCCTGAGTCTGTCCCTGAGAAGTGTCTGGGCCAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG225100 representing NM_001193645
 Red=Cloning site Green=Tags(s)

MAACTAAQQLLLVLSALGLLAAGAPQPPNIVLLLMDDMGWGDLGVNGEPSRETPNLDRMAAEGMLFPSFY
 SANPLCSPSRAALLTGRLPINRNGFYTTNAHARNAYTPQEIMGGIPNSEHLLPELLKKAGYTNKIVGKWHL
 GHRPQFHPLKHGFDEWFGSPNCHF GPYDNKAKPNIPVYRDWEMVGRFYEEFPINRKTGEANLTQLYTQEA
 LDFIQTHARQSPFFLYWAIDATHAPVYASRQFLGTSLRGRYGDVREIDDSVGIKLSLLQNLGISKNTF
 VFFTSDNGAALISAPNEGGSNPFLLCGKQTTFEGGMREPAIAWWPGHIAAGQGTDFCPGQNVSGVTHTQ
 EEHTEPLIFHLGRDPGERFPLSFHSDEYQDALSRRTTQVVQEHQKSLVPGQPQLNVCNQAVMNWAPPGCE
 KLGKCLTPPESVPEKCFWAH

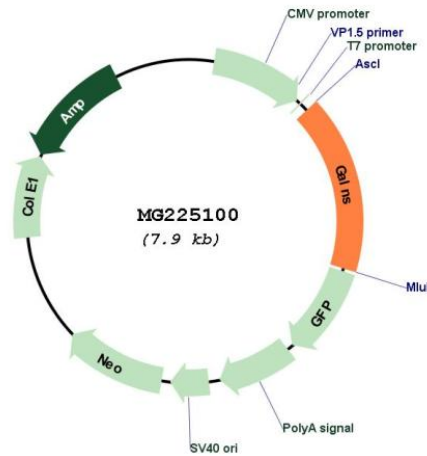
TRTRPLE - GFP Tag - V

Restriction Sites: AscI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001193645

ORF Size:	1320 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_001193645.1 , NP_001180574.1
RefSeq Size:	2353 bp
RefSeq ORF:	1323 bp
Locus ID:	50917
UniProt ID:	Q571E4
Cytogenetics:	8 E1