

Product datasheet for **MG216009**

Gal3st2 (NM_199366) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Gal3st2
Synonyms:	Gm988; GP3ST
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG216009 representing NM_199366
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCCATCCTGAGAGGCACACAGAGGTCCTTCCAGGTGGCACTCTGGTTCCTGGCTGGCTGTGTTC
TCCTGGTTGGTTTCTCGCATGTGGACTTCAGACTACTTAAACCCGGACAAGTCCAGGAACCCGGTTCAC
AAACATCATGTTCTCAAGACGCACAAGACAGCCAGCAGTACAATCCTCAACATCCTTACCCTTCTCA
GAGTCTACAACCTATCCACAGCACTGCCGAGGGCTCTAGAGTCCATCTGGGTACCCTGGTTTTTTTG
TGACACGGTATGTGGAGGGCCTGAAGCAGGACGCCACCTGCAGCATCACTTTAACATCATGTGCAACCA
CCTTCGGTTCAACTATCCTGAGGTGCAAGAAAGTCAAGCCAGGGACACTTTCTACTTCTCCATCCTCCGG
AACCCAGTTTTCCAGCTGGAGTCTCCTTCACTATAAGGACTATGCACCTGCCTTCCAGAGAGCCA
AGAGCCTGGACGAATCCTGGCAGATCCGTGGAAGTACTACAACGCTAGTGTGAGCCTGAAAAATGTCTA
TGCGAAAAACAACATGTGGTTTGATTTGGTTTTGACAACAACGCCAGCAGACATGGACTATGTTCCG
AAGCGCCTTCCGGAGGTGGAGCAGCGATTCCATCTGGTGCTCATTGCAGACTACTTCGATGAGTCTATGG
TGCTGCTGCGCAGAAGGCTGCGCTGGCAGCTGGATGATGTCGTGTCCTCAAGCTGAACGTGCGCAGCCA
GAGCACTGTCTCACACCTGACGCTGAGAGCCAGGAGCGTGTCCGGCACTGGTGTGCGCTGGACTGGCAG
CTCTACCAGCATTTCATCGCACGTTTTGGACCCAGCTGCATGCGGAGCTAAGCCACGCCAGCTCACAG
AAGAGGTGGAGCAGCTGCGGGAGAGGCAGCGAGCTCATGGCCCTGTGTCTTCCAGGATCCAGAGCCCAA
GAACCTGACACACATAGATGACCAGAATCTGCGTCTTACCAGGGTGGGAAGGCCAATATTCTGGGCTAC
AACCTTAGGCATGGTCTGGACACCACCACACTGCATATCTGTGAGAGAATGGCGATGCCGAGCTCCAGC
ACATGGCCCATATGTACTCTCTGCAGTTTCCCGACAAGACTCCCAAGGATATCCATTCTGAAAAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >MG216009 representing NM_199366
 Red=Cloning site Green=Tags(s)

MSILRGTQRSFQVALWFLVLAVFLLVGFLHVDLRLKPKDKVQEPVVTNIMFLKTHKTASSTILNILYRFS
 ESHNLSTALPEGSRVHLGYPWFVTRYVEGLKQDAHLQHHFNIMCNHLRFNYPEVQKVMRDTFYFSILR
 NPVFQLESSFIYYKDYAPAFQRAKSLDEFADLPWKYNASVSLKNVYAKNMWDFGFDNNAPADMDYVR
 KRLAEVEQRFHLVLIADYFDESMVLLRRRLRWQLDDVVSFKLNVRSQSTVSHLTPESQERVHRWCALDWQ
 LYQHFNRFTWQLHAELSPRQLTEEVEQLRERQRELMALCLQDPEPKNLTHIDDQNLRPYQGGKANILGY
 NLRHGLDTTTTLHICQRMAMPQLQMAHMYSLQFPDKTPKDIPFLKK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_199366

ORF Size: 1188 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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_199366.4](#), [NP_955398.3](#)

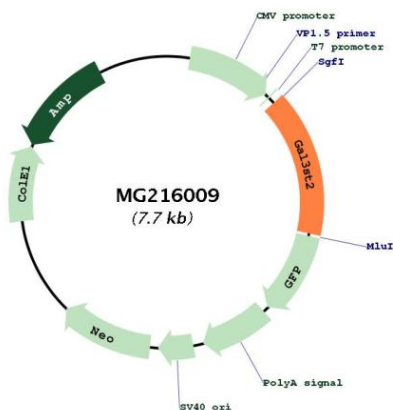
RefSeq Size: 2846 bp

RefSeq ORF: 1191 bp

Locus ID: 381334

Cytogenetics: 1 D

Product images:



Circular map for MG216009