

Product datasheet for **MG215091**

Glyat13 (NM_001145060) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Glyat13
Synonyms:	EG435528; Gm5683
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG215091 representing NM_001145060
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTTGGTGCTAAAGTGCTCCACCAAATTATTCATACTGGAGAACATGTTGAAGAGTCACTTTCCTGAAT
CACTCAAGGTTTATGGAGCAGTGATGAACATAAATCGTGGAATCCCTTCAAAGGAAGTGGTATTGGA
TTCATGGCCAAACTTCAAAGTTATCATCACCCGGCGAGAGAGAGAGGCTGAGACAGATAACCTTGACCAT
TACACTAATGCATATGCTGTATTCTACAAAGATATCAGAGCTTACCAACAGCTATTGGAAGAACATGATG
TTATTAATTGGGACCAAGTTTTTCAAATACAAGGTTGCAAAGTGAATTATATGCTGCTTCAAAGCCGT
TGCCAAAGCAAGGCTGTTAGATTTGGATATAAATTTGGCTTCTTCAAGGCTGTCCATTTTTCTCCTGTT
TCATCTGTGCCAGACCACAGTTTCTAACCGGGCCAACCCGAGACTGACCTACCTGAGTGTCTCAGATG
CAGATCTTCTCAACCGACTTGGTCAGAGGTGGCAACCAGCAGTGCCTGCGTACTTGCCAAATCTCAT
CGCCTGCTTCCCAGCGTGTGTGCGTGATGAGAAGGGAAACCCAGTATCCTGGGGTATCACAGATCAG
TTTGCCACTATGTGTACGGCTACACCCTGCCTGACCATCGCAGGAAAGGTTACAGCCGACTGGTGGCC
TCACGCTGGCCAGGAAGTTGCAAAGCCGGGATTCCCTTCCCAGGGAAATGTCTGGATGACAACCTGGC
TTCCATAAACCTGCTGAAGAGTGTCCAAGCTGAGTTCCTGCCTTGTGCTTCCACAGGCTTATTCTGACC
CCTGCAGCTTCTCAAGACAAGCTCACCTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >MG215091 representing NM_001145060
Red=Cloning site Green=Tags(s)

MLVLKCKSTKLFILNMLKSHFPESLKVYGAVMNINRGNPFQKEVVLDSWPNFKVITRREREAETDNLDH
 YTNAYAVFYKDIRAYQQLLEEHVDINWDQVFQIQGLQSELYAASKAVAKARLLDLINLASFKAVHFSVP
 SSVDPDHSFLTGPTPRLTYLSVSDADLLNRTWSRGGNQCLRYLANLIACFPSVCVRDEKGNPVSWGITDQ
 FATMCHGYLTPDHRRKGYRSLVALTLARKLQSRGFPSQGNVLDNLASINLLKSVQAEFLPCRFRHLILT
 PAAFSRQAHL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001145060

ORF Size: 870 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_001145060.1](#), [NP_001138532.1](#)

RefSeq Size: 873 bp

RefSeq ORF: 873 bp

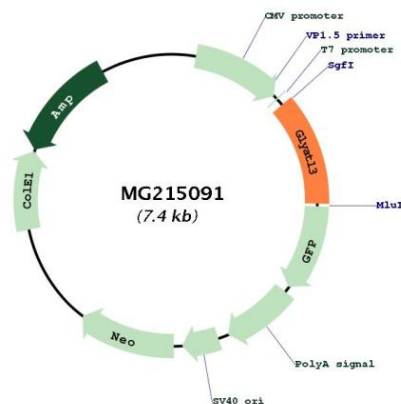
Locus ID: 435528

UniProt ID: [E9Q5L8](#)

Cytogenetics: 17 B2

Gene Summary: Catalyzes the conjugation of long-chain fatty acyl-CoA thioester and glycine to produce long-chain N-(fatty acyl)glycine, an intermediate in the primary fatty acid amide biosynthetic pathway.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG215091