

Product datasheet for **MG215262**

Galp (NM_178028) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Tag: TurboGFP

Symbol: Galp

Mammalian Cell Selection: Neomycin

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG215262 representing NM_178028
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCTGCTCCGTACATCTGGTCTCTTCTCACCATCTTGCTGAGCCTGGCAGAAACACCGGAATCTG
CACCTGCTCACAGGGGACGAGGAGGCTGGACCTCAATAGTCTGGTTACCTCTGGGTCTGTCTCTCC
CGTTTCCTCCAAGGCCGACCAGGGCAGGAAGAGAGACTCAGCTCTTGAGATCCTAGACCTGTGGAAGATC
ATTGATGGACTTCTTATTCCCACTCTCCAAGGATGACCAAAAGGACAATGGGAGAAACGTTTGTCAAAG
CGAATACTGGAGATATGCACATACTGGACAAGAATGTTCCAAGGAAGAAGCCACCCTGGACTCAGAGAG
T

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

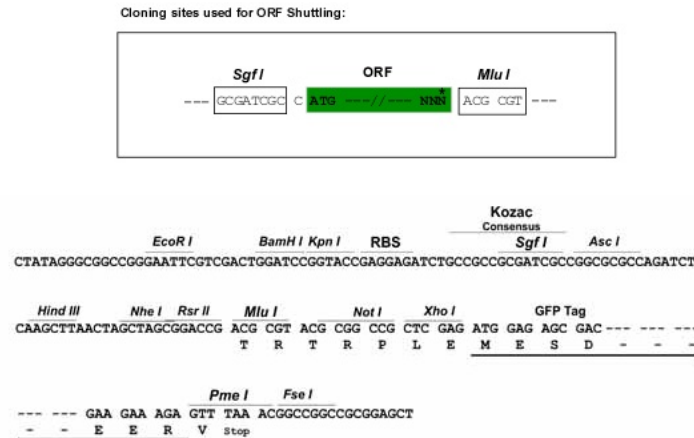
Protein Sequence: >MG215262 representing NM_178028
Red=Cloning site Green=Tags(s)

MACSVHLVLFLLTILLSLAETPESAPHRGRGGWTLNSAGYLLGPVLPVSSKADQGRKRDSALEILDWKI
IDGLPYSHSPRMTKRTMGETFVKANTGDMHILDKNVPKEEATLDSES

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-Mlul



Cloning Scheme:


ACCN: NM_178028

ORF Size: 351 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).

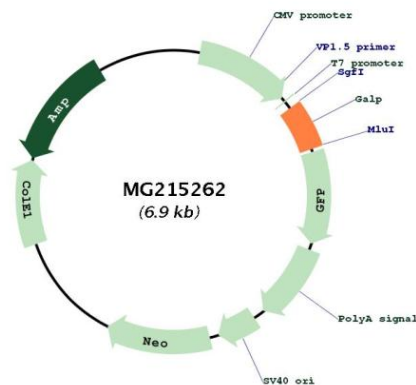
Reconstitution Method:

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:	<u>NM_178028.2, NP_821171.1</u>
RefSeq Size:	650 bp
RefSeq ORF:	354 bp
Locus ID:	232836
UniProt ID:	<u>Q810H5</u>
Cytogenetics:	7 A1

Gene Summary: Isoform 1: Hypothalamic neuropeptide which binds to the G-protein-coupled galanin receptors (GALR1, GALR2 and GALR3). Involved in a large number of putative physiological functions in CNS homeostatic processes, including the regulation of gonadotropin-releasing hormone secretion.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG215262