

Product datasheet for **RR209518**

Galp (NM_022633) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Galp (NM_022633) Rat Tagged ORF Clone

Tag: Myc-DDK

Symbol: Galp

Mammalian Cell Selection: Neomycin

Vector: pCMV6-Entry (PS100001)

E. coli Selection: Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RR209518 representing NM_022633
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCTGCTCCAAGCATCTGGTCCTCTCCTCACCATCTTGCTAAGCCTCGCAGAAACACCAGACTCTG
CACCTGCTCAGGGGACGAGGAGGCTGGACCCCTCAATAGTGCTGGTTACCTCCTGGGTCTGTCTCCA
CCTTTCTCAAAGGCCAACCAGGCGAGGAAGACAGACTCAGCTCTTGAGATCCTAGACCTGTGGAAGGCC
ATAGATGGGCTCCCTTATTCCCGCTCTCCAAGGATGACCAAAAGGTCAATGGGAGAAACGTTGTCAAGC
CGAGGACTGGAGATCTGCGCATAGTGGACAAGAATGTTCCGGATGAAGAAGCCACCCTGAACCTTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR209518 representing NM_022633
Red=Cloning site Green=Tags(s)

MACSKHLVFLTILLSLAETPDAPAHRRGGWTLNSAGYLLGPVLHLSSKANQGRKTDSEILDWLKA
IDGLPYSRSPRMTKRSMGETFVKPRTGDLRIVDKNVPDEEATLNL

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:



ACCN: NM_022633

ORF Size: 345 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:

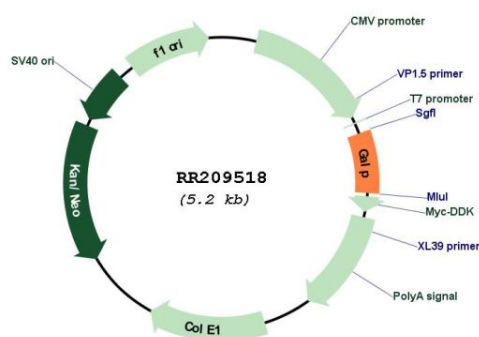
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_022633.1](#), [NP_072155.1](#)

RefSeq Size: 694 bp

RefSeq ORF:	348 bp
Locus ID:	64568
UniProt ID:	<u>Q9QXQ6</u>
Cytogenetics:	1q12
MW:	12.6 kDa
Gene Summary:	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 (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR209518