

Product datasheet for **RC227446**

GALP (NM_001145546) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: GALP (NM_001145546) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: GALP
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC227446 representing NM_001145546
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCTCCTCCCTCCGTCCCCCTGGTCCTCCTCCTCGTCCTTTGCTGAGCCTGGCAGAGACTCCAGCAT
CCGCACCTGCCACCGGTCCTCCACCTTCCCAAATGGGTGACCAAGACGAAAGAGGGAGACAGCCCTT
GAGATCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC227446 representing NM_001145546
Red=Cloning site **Green**=Tags(s)
MAPPSVPLVLLLVLSSLAETPASAPAHRSSTFPKWVTKTERGRQPLRS
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

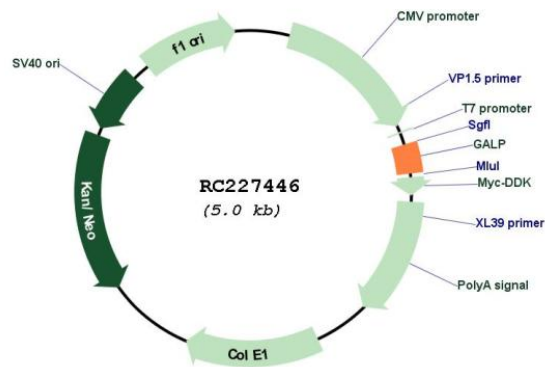


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001145546
 ORF Size: 147 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_001145546.1 , NP_001139018.1
RefSeq ORF:	150 bp
Locus ID:	85569
UniProt ID:	Q9UBC7
Cytogenetics:	19q13.43
Protein Families:	Secreted Protein
MW:	5.1 kDa
Gene Summary:	This gene encodes a member of the galanin family of neuropeptides. The encoded protein binds galanin receptors 1, 2 and 3 with the highest affinity for galanin receptor 3 and has been implicated in biological processes involving the central nervous system including hypothalamic regulation of metabolism and reproduction. A peptide encoded by a splice variant of this gene, termed alarin, has vasoactive properties, displays antimicrobial activity against E. coli, and may serve as a marker for neuroblastic tumors.[provided by RefSeq, Nov 2014]