

Product datasheet for **MG214992**

Gpr3 (NM_008154) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Gpr3
Synonyms:	Gpcr3; Gpcr20; Gpcr21
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG214992 representing NM_008154
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

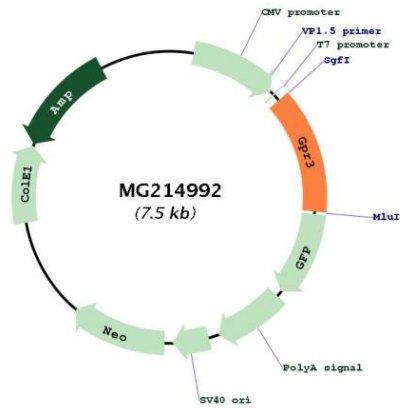
ATGATGTGGGGAGCAGGAAGCTCTATGGCCTGGTTCTCAGCTGGCTCAGGCAGTGTGAACGTGAGCAGCG
TGGACCCAGTAGAGGAACCCACAGGCCAGCTACACTGCTGCCCTCTCCAGGGCCTGGGATGTGGTGCT
GTGCATCTCAGGCACCCCTGGTGTCTGCGAGAACGCGCTGGTGGTGGCCATCATTGTGGCACTCCTGCC
TTCCGCGCCCCATGTTCTGCTGGTGGGTAGCTTGGCCGTAGCAGACCTGCTGGCAGGCCTGGGCCTGG
TCCTGCACTTTGCGGCTGACTTCTGCATTGGCTCACCAGAGATGAGCTTGATGCTGGTCGGCGTGTAGC
AATGGCCTTCACTGCCAGCATCGGCAGCCTGCTGGCCATTACCGTTGACCGCTACCTTTCCCTGTACAAT
GCTCTCACTTACTACTCAGAGACAACGGTAACTCGGACTTATGTGATGCTGGCCTTGGTGTGGTGGGTG
CCCTGGGCTGGGGCTGGTCCCGTGGCTGGAAGTGGCCGATGGCCTGACCACGTGTGGTGTGGT
CTATCCAATCTCCAAGAACCATCTGGTGGTCTGGCCATCGCCTTCTCATGGTGTGGCATCATGTTG
CAGCTCTATGCCAGATCTGCCGCATCGTCTGCCGCCATGCCAGCAGATCGCCCTCCAACGACACCTGC
TGCTGCTCTCACTACGTGGCCACCCGCAAGGGCATGCCACATTGGCTGTGGTGTGGCGCCTTTGC
TGCTGTTGGTGGCCTTCACTGTCTACTGCCTCCTGGGAGATGCCGACTCTCCCGTCTCTACACCTAT
CTTACCCTGCTCCAGCCACCTACAACCTCATGATCAACCCTGTCTACGCTTTTCGCAACCAAGATG
TGCAGAAGGTGCTGTGGCCATCTGCTGCTGCTGTTCCACTTCCAAGATTCCATTCCGGTCCCGTCCCC
TAGTGATGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_008154.3</u> , <u>NP_032180.1</u>
RefSeq Size:	2159 bp
RefSeq ORF:	993 bp
Locus ID:	14748
UniProt ID:	<u>P35413</u>
Cytogenetics:	4 D2.3
Gene Summary:	Orphan receptor with constitutive G(s) signaling activity that activate cyclic AMP. Has a potential role in modulating a number of brain functions, including behavioral responses to stress, amyloid-beta peptide generation in neurons (By similarity) and neurite outgrowth (By similarity). Maintains also meiotic arrest in oocytes.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG214992