

# **Product datasheet for MG200640**

## **Qrfp (NM\_183424) Mouse Tagged ORF Clone**

**Product data:** 

**Product Type:** Expression Plasmids

**Product Name:** Qrfp (NM 183424) Mouse Tagged ORF Clone

Tag: TurboGFP

Symbol: Qrfp

Synonyms: P51; P518; QR

Mammalian Cell Neomycin

Selection:

**Vector:** pCMV6-AC-GFP (PS100010)

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

ORF Nucleotide >MG200640 representing NM\_183424

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

CTTCAGCTTCCGCTTTGGACGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG200640 representing NM\_183424

Red=Cloning site Green=Tags(s)

MRGFRPLLSLLLPLSACFPLLDRRGPTDIGDIGARMSWAQLAEGHPPNSVQNPQPQALLVVAKEQQASHR

 ${\tt EHTGFRLGRQDGSSEAAGFLPADSEKASGPLGTLAEELSSYSRRKGGFSFRFGR}$ 

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-Mlul



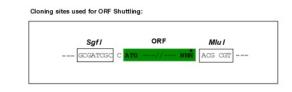
**OriGene Technologies, Inc.** 9620 Medical Center Drive, Ste 200

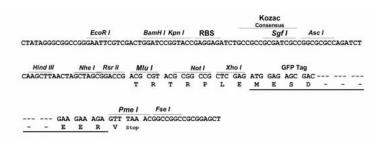
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com

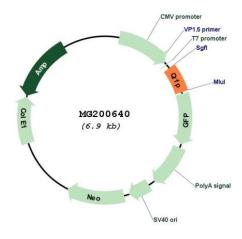


#### **Cloning Scheme:**





### Plasmid Map:



**ACCN:** NM\_183424

ORF Size: 372 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

## Qrfp (NM\_183424) Mouse Tagged ORF Clone - MG200640

**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: <u>NM 183424.1</u>, <u>NP 906269.1</u>

RefSeq Size: 2866 bp
RefSeq ORF: 375 bp
Locus ID: 227717
UniProt ID: Q8CE23
Cytogenetics: 2 B

**Gene Summary:** This gene encodes a preproprotein that is proteolytically processed to generate multiple

protein products. The encoded products are members of the RFamide family of

neuropeptides, characterized by their common protein C-terminus consisting of an arginine (R) and an amidated phenylalanine (F). These products include the neuropeptides QRFP-26 (26RFa) and the N-terminally extended form, QRFP-43 (43RFa). Both of these neuropeptides bind to the pyroglutamylated RFamide peptide receptor (QRFPR) and may regulate blood

pressure, reproduction and food intake. [provided by RefSeq, Sep 2015]