

## **Product datasheet for MG225506**

## C1qa (NM\_007572) Mouse Tagged ORF Clone

#### **Product data:**

**Product Type:** Expression Plasmids

**Product Name:** C1qa (NM\_007572) Mouse Tagged ORF Clone

Tag: TurboGFP

Symbol: C1qa

Synonyms: Al255395; C1q

Mammalian Cell Neomycin

Selection:

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

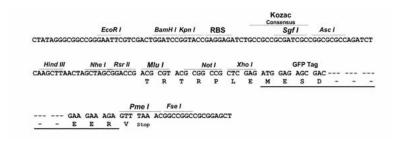
E. coli Selection: Ampicillin (100 ug/mL)

Restriction Sites: Sgfl-Mlul

**Cloning Scheme:** 

Cloning sites used for ORF Shuttling:





**ACCN:** NM\_007572

ORF Size: 735 bp



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### C1qa (NM\_007572) Mouse Tagged ORF Clone - MG225506

**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:** <u>NM 007572.2, NP 031598.2</u>

RefSeq Size: 1082 bp
RefSeq ORF: 738 bp
Locus ID: 12259
UniProt ID: P98086

Cytogenetics: 4 69.05 cM

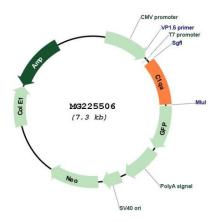
Gene Summary: C1q associates with the proenzymes C1r and C1s to yield C1, the first component of the

serum complement system. The collagen-like regions of C1q interact with the Ca(2+)-dependent C1r(2)C1s(2) proenzyme complex, and efficient activation of C1 takes place on interaction of the globular heads of C1q with the Fc regions of IgG or IgM antibody present in

immune complexes.[UniProtKB/Swiss-Prot Function]



# **Product images:**



Circular map for MG225506