

Product datasheet for MG212709

AA792892 (NM_178894) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AA792892 (NM_178894) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	AA792892
Synonyms:	MGC159137
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG212709 representing NM_178894 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTGGTCAGACCCACCCACGCACTCTGCTGACACATGAAGCTTTGATCAAGTCCTCTCTGGAGG
AGTTGCCACTGTGGTCTTCCAGCACTATTCAAAGAGGTCTTTGCTGGCAGACACCAATCTCCTAAA
GGCAATGGTGGCAGCCTGGCCTTTCCCTGTCTCCCTGTGGGACCATTGATAAAGAAGCCTAACCTAGAA
ACCTTGCAAGCTCTGCTAGATGGAGTAGACATGAGACTGACAAGAGAGTTTCACCCAGGTGCCTGATGA
CTCCCTTCGAGACCTTCTCCATACCCAATGCCTAATTTACAGAGAGACTTTGATTTCTTTCTTGCTC
CCACAACCTCTTTAAATTAACATCTGAAATAAGAGGGATGATCTTATATGCTTTGGATCTTATGCCT
CTGAGAGGTCTCTACAAAAAGTAGCAGACACTCTTGAGTTTCTGGATTTTCAGTGGTGTAGGATGAAGG
ACTCCAGATCAATGCCCTCCTACCTGCCCTCAGTCAATGCACTCACCTCAACCAGATCAACTTCTACAA
CAATGACTTCTCCATGTCCACCCTGAAGGAGCTTTACAGCACACAGCCAAGTGGAGCAAGATGAATGTG
GAACAATGCCCTGCCCTCTGCAGTGTATAATGAGTTGGGTATGTCTCTGTAGAAAGATTTGTCCAAC
TTTGTGAGGAGCTCATGTATACTCTCAGAGCTATAAGGCAGCCCAAGAGCATCTTTTGTACAGATAG
CTGTACAAATGTTGTAAGCCCTGTGTCTATGACCAGGACCCTATACTTTGTTCTTGTTCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >MG212709 representing NM_178894
 Red=Cloning site Green=Tags(s)

MSGQTPPTRTLLTHEALIKSSLEELPTVVPALFKEVFAGRHTNLLKAMVAWPFCLPVGPLIKKPNLE
 TLQALLDGVDMLRTREFHPRCLMTPFETFSITQCLISQRDFDFSCSHNLFKLKHLIIRGMILYALDLM
 LRGLLQKVADTLEFLDFQWCRMKDSQINALLPALSQCTHLNQINFYNDFSMSTLKELLQHTANWSKMNV
 EQCPAPLQCYNELGHVSVERFVQLCQELMYTLRAIRQPKSISFATDSCHKCKPCVYDQDPILCSCFQ

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_178894

ORF Size: 834 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_178894.4, NP_849225.2

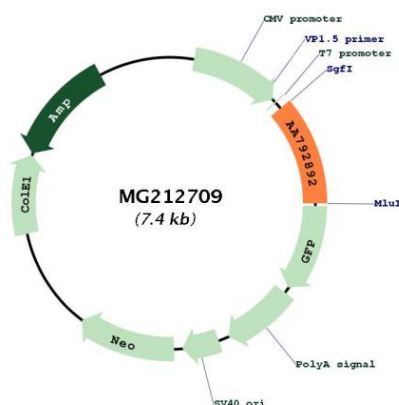
RefSeq Size: 1212 bp

RefSeq ORF: 837 bp

Locus ID: 100554

Cytogenetics: 5 E3

Product images:



Circular map for MG212709