

## Product datasheet for **MG201690**

### Glo1 (NM\_025374) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Glo1 (NM\_025374) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Glo1  
**Synonyms:** 0610009E22Rik; 1110008E19Rik; 2510049H23Rik; AW550643; Glo-1; Glo-1r; Glo-1s; Glo1-r  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG201690 representing NM\_025374  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCAGAGCCACAGCCGGCGTCCAGTGGCCTCACTGATGAGACCGCTTTCAGCTGCTGCTCCGATCCAG  
 ACCCCAGACCAAGGATTTTCTACTGCAGCAAACGATGCTAAGAATTAAGGATCCTAAGAAGTCCCTGGA  
 TTTTTATACGAGGTTCTTGGACTGACCCTCCTGCAGAAGCTTGACTTCCCTGCTATGAAGTTCTCGCTC  
 TACTTCTAGCTTACGAGGATAAGAACGATATCCCAAGGACAAGTCCGAGAAGACAGCATGGATGTTTT  
 CCAGAAAAGCCACCCTTGAGCTCAGCACAACTGGGGCACTGAAGATGACGAGACTCAGAGTTACCACAA  
 CGGCAACTCGGACCCTCGTGGATTTGGTACATTGGGATTGCCGTTCTGATGTCTACAGTGCCTGTAAG  
 AGATTTGAAGAACTAGGTGTCAAGTTTGTGAAGAAGCCTGATGACGGGAAAATGAAAGGACTGGCGTTCA  
 TTCAAGACCCTGACGGCTACTGGATTGAGATTCTGAATCCTAACAAAATAGCAACGATTATT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG201690 representing NM\_025374  
 Red=Cloning site Green=Tags(s)

MAEPQPASSGLTDETAFCSSDPDPSTKDFLLQQTMLRIKDPKSLDFYTRVLGLTLLQKLDPFAMKFSL  
 YFLAYEDKNDIPKDKSEKTAWMFSRKATLELTHNWGTEDETQSYHNGNSDPRFGHIGIIVPDVYSACK  
 RFEELGVKFKVKKPDDGKMKGLAFIQDPDGYWIEILNPNKIATII

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI





<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_025374.2</a></u> , <u><a href="#">NP_079650.2</a></u>
<b>RefSeq Size:</b>	1965 bp
<b>RefSeq ORF:</b>	555 bp
<b>Locus ID:</b>	109801
<b>UniProt ID:</b>	<u><a href="#">Q9CPU0</a></u>
<b>Cytogenetics:</b>	17 15.69 cM
<b>Gene Summary:</b>	Catalyzes the conversion of hemimercaptal, formed from methylglyoxal and glutathione, to S-lactoylglutathione. Involved in the regulation of TNF-induced transcriptional activity of NF-kappa-B. Required for normal osteoclastogenesis.[UniProtKB/Swiss-Prot Function]