

Product datasheet for **MC202537**

Glo1 (NM_025374) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Glo1 (NM_025374) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Glo1
Synonyms:	0610009E22Rik; 1110008E19Rik; 2510049H23Rik; AW550643; Glo-1; Glo-1r; Glo-1s; Glo1-r
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC081432 sequence for NM_025374 GGAGCGTGTGGTCCGCTGGCCTGTTTGTACTAGGGCAGGTTGGTGATTCTCCAGGGCAGCCATGGCAGA GCCACAGCCGGCGTCCAGTGGCCTCACTGATGAGACCGCTTTCAGCTGCTGCTCCGATCCAGACCCCTAGC ACCAAGGATTTTCTACTGCAGCAAACGATGCTAAGAATTAAGGATCCTAAGAAGTCCCTGGATTTTATA CGAGGGTCTTGGACTGACCCTCCTGCAGAAGCTTGACTTCCCTGCTATGAAGTTCTCGCTACTTCTT AGCTTATGAGGATAAGAACGATATCCCCAAGGACAAGTCCGAGAAGACAGCATGGACGTTTTCCAGAAAA GCCACCCCTTGAGCTCACGCACAACCTGGGGCACTGAAGATGACGAGACTCAGAGTTACCACAACGGCAACT CGGACCCTCGTGGATTTGGTACATTGGGATTGCCGTTCTGATGTCTACAGTGCCTGTAAGAGATTTGA AGAAGTGGTGTCAAGTTTGTGAAGAAGCCTGATGACGGGAAAAAGAAAGGACTGGCGTTTATTCAAGAC CCTGACGGCTACTGGATTGAGATTCTGAATCCTAACAAAATAGCAACGATTATTTAGTTTCGGGAGAATG TGCCTTTGAGGTATGGGGACAGCGGGAACAAAGCGGCGTGAAAAGAAACAGCGTGATTCAAGATGCTG CGGCGACCAGAAGCGTTGGGACTGATGGGTCTCTCTGCTCCAGTCAAATCCTCCTGAAACCCTTTTCA TTGTCCTGATTAGTGGGTTTTTAAAAATCTCCCTCTGTTTTGCCAACCTAAAAAAAAAAAAAAAAAAAAA AAAAAA
Restriction Sites:	Ascl-NotI
ACCN:	NM_025374
Insert Size:	555 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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).



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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: [BC081432](#), [AAH81432](#)

RefSeq Size: 846 bp

RefSeq ORF: 555 bp

Locus ID: 109801

UniProt ID: [Q9CPU0](#)

Cytogenetics: 17 15.69 cM

Gene Summary: 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]
Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 both encode the same protein.