

## **Product datasheet for MR200380**

## Glrx (NM\_053108) Mouse Tagged ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

**Product Name:** Glrx (NM\_053108) Mouse Tagged ORF Clone

Tag: Myc-DDK

Symbol: Glrx

Synonyms: C86710; D13Wsu156e; Glrx1; Grx1; TTase

Mammalian Cell Neomycin

Selection:

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)ORF Nucleotide>MR200380 ORF sequence

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGGCTCAGGAGTTTGTGAACTGCAAGATCCAGTCTGGGAAGGTGGTCGTGTTCATCAAGCCCACTTGCC CCTACTGCAGAAAGACCCAAGAAATCCTCAGTCAACTGCCTTTCAAACAAGGTCTTCTGGAGTTTGTGGA CATCACAGCCACTAACAACACCAGTGCGATTCAAGATTATTTACAACAGCTCACCGGAGCGAGAACAGTT CCTCGGGTCTTCATAGGTAAAGACTGCATAGGCGGATGCAGTGATCTAATCTCCATGCAACAGACTGGGG

AGCTGATGACTCGGCTGAAGCAGATTGGAGCTCTGCAGTTA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR200380 protein sequence

Red=Cloning site Green=Tags(s)

MAQEFVNCKIQSGKVVVFIKPTCPYCRKTQEILSQLPFKQGLLEFVDITATNNTSAIQDYLQQLTGARTV

PRVFIGKDCIGGCSDLISMQQTGELMTRLKQIGALQL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul



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

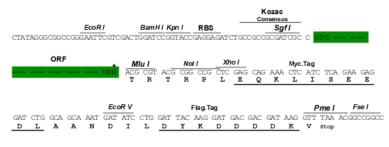
CN: techsupport@origene.cn

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



## **Cloning Scheme:**





<sup>\*</sup> The last codon before the Stop codon of the ORF

**ACCN:** NM\_053108

ORF Size: 324 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.

**RefSeq:** <u>NM 053108.3</u>

RefSeq Size: 1335 bp RefSeq ORF: 324 bp



MW:

**Locus ID:** 93692

UniProt ID: Q9QUH0

**Cytogenetics:** 13 40.95 cM

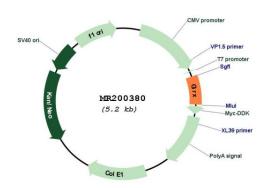
Gene Summary: Has a glutathione-disulfide oxidoreductase activity in the presence of NADPH and glutathione

reductase. Reduces low molecular weight disulfides and proteins.[UniProtKB/Swiss-Prot

Function]

11.9 kDa

## **Product images:**



Circular map for MR200380