

Product datasheet for **MC206073**

Glrx5 (BC058371) Mouse Untagged Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Glrx5 (BC058371) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Glrx5 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | PCMV6-Kan/Neo (PCMV6KN) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >BC058371 TGGCCGCAGAGCGGTGGACAGCGAGCGGGCATGAGCGCGTCCCTGAGCCGGGCGGCGGGCTCTGCTG CGCTGGGGGCGAAGCGCTGGTGGCGGTGGCCTGCCCGAGCCGGGTGCGGGCGGCGAGCTCGGGCGGCC AGGCGGAGCAGCTGGACGCGCTGGTGAAGAAGGACAAGGTGGTGGTGTTCCTCAAGGGGACGCCGAGCA GCCCCAGTGCGGCTTCAGCAACGCCGTGGTGCAGATTCTGCGGCTGCACGGTGTTCGCGACTATGCGGCC TACAACGTGCTGGACGACCCGGAGCTGAGGCAAGGTATTAAGACTACTCCAAGTGGCAACCATCCCGC AAGTGTACCTCAACGGCGAGTTTGTGGGGGGCTGTGACATCCTTCTGCAGATGCATCAGAATGGGGACCT AGTGGAAGAACTGAAAAAGCTGGGTATCCGCTCTGCCCTGGTAGATGAGAAGGACCAAGACTCCAAGTGA GGGCCCCGGGCCCTCGCCGAGCAGAGCGCCCTCCATCCTCGGGGCCAGAAAAGCCTTACTGCGTGGTG GTGCCCTCAGAATCCCTCTGGTGAACGTACAACCACTGCACTGTAATCAATGTCGCGATCCTGTATTGC TATAACCGTGATCTGTTCTTACGTTGTCTTTATTCTCTGCCGGCCGCTTTGGGAGTCACTTCTGATTCT TGTTTGGTTGTAGAGATGGTAAAGCCCCCTGATGTTTTTGTAACTTCTGTAAGGAAATGATGGAC AGAGGAGAAAATGTGGTGGCTAGAGTTGTTTTGTAAAATTAATGCCAACACAAAAAAAAAAAAAAAAAAAA AAAAAAAAAAAAAAAAAAAAAAAA |
| Restriction Sites: | Ascl-NotI |
| ACCN: | BC058371 |
| Insert Size: | 459 bp |



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OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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: [BC058371](#), [AAH58371](#)

RefSeq Size: 931 bp

RefSeq ORF: 459 bp

Locus ID: 73046

Cytogenetics: 12 E

Gene Summary: This gene encodes a mitochondrial protein, which is evolutionarily conserved. It is involved in the biogenesis of iron-sulfur clusters, which are required for normal iron homeostasis. Mutations in the human gene are associated with autosomal recessive pyridoxine-refractory sideroblastic anemia. [provided by RefSeq, Sep 2015]