

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 TGGCCGCAGAGGCGGTGGACAGCGAGCGGGCATGAGCGCTCCCTGAGCCGGGCGGCGGGCTCTGCTG CGCTGGGGGCGAAGCGCTGGTGGCGGTGGCTGCCCGAGCCGGCGTGC GGCGGCGAGCTCGGGCGGCC AGGCGGAGCAGCTGGACGCGCTGGTGAAGAAGGACAAGGTGGTGGTGTTCTCAAGGGGACGCCCCGAGCA GCCCCAGTGCGGCTTCAGCAACGCCGTGGTGCAGATTCTGCGGCTGCACGGTGTTTCGCGACTATGCGGCC TACAACGTGCTGGACGACCCGGAGCTGAGGCAAGGTATTAAGACTACTCCAACCTGGCCAACCATCCCCG AAGTGACCTCAACGGCGAGTTTGTGGGGGGCTGTGACATCCTTCTGCAGATGCATCAGAATGGGGACCT AGTGGAAGAACTGAAAAAGCTGGGTATCCGCTCTGCCCTGGTAGATGAGAAGGACCAAGACTCCAAGTGA GGGCCCCGGGCCCTCGCCGAGCAGAGCGCCCTCTCCATCCTCGGGGCCAGAAAAGCCTTACTGCGTGGTG GTGCCCTGTTGCTGTGATGCTTGCCTGGGCTCCTGGCAGCAAGCGGGCAGGTGCTTTTACTTTAGTCT CTGGCTCAGAATCCCTCTGGTGAACGTACAACCACTGCACTGTAATCAATGTCGCGATCCTGTATTGC TATAACCGTGATCTGTTCTTACGTTGTCTTTATTCTCTGCCGGCCGGCTTTGGGAGTCACCTCTGATTCT TGTTTGGTTGTAGAGATGGTAAAGCCCCCTGATGTTTTTGTAACTTCCTGTAAAAGGGAATGATGGAC AGAGGAGAAAAATGTGGTGGCTAGAGTTGTTTTGTAAAATTAAATTGCCAACACAAAAAAAAAAAAAAAAAA AAAAAAAAAAAAAAAAAAAAAA
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.

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

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]