

Product datasheet for **MC215885**

Gcdh (NM_001044744) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gcdh (NM_001044744) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gcdh
Synonyms:	9030411L18; A1266902; D17825; GCD
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC215885 representing NM_001044744
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGTTCTGCAATGCTCACCGCTACATGTCCCTGAGAGGAGTCTCCGCGGGTTGCTGAGCCGAGGT
CCGGCCTGCGCTTCCCGGTTTTCCACGTACCTGGAGCTCGGCGGCCCCACACCGAGAAGACACAGAT
CCGACCGGCCAAATCCTCTCGCCCCGTGTTGACTGGAAGGACCACTCATACTGGAGGAGCAGCTGACT
GCCGATGAGAACTGATCAGGGACACCTCCGTAACACTGCCAGGAGCGGCTTATGTCTCGAATTCTGC
TGGCTAATCGAAATGAAGTTTTTACAGGGACATTGTGTATGAGATGGGGGAGCTGGCGTGTGGGACC
CACCATTAAGGGTATGGCTGTGCTGGTGTGCTGCGTGGCCTATGGGCTCCTGACCCGAGAGCTTGAG
AGGGTGGACAGTGGCTACAGGTCGATGATGAGTGTTCAGTCCCTTGTATGCACCCCATCTATACCT
ATGGGAGCGAGGAACAGCGACAGAAATATCTGCCCGACTGGCCAAGGGTGAACCTCTGGGCTGCTTTGG
ACTTACAGAGCCCAACCATGGGAGTGACCCAGGTGGCATGGAGACCAGAGCTCGCCACAATCCATCAAAC
CAGAGCTACACTCTCAGTGGGACCAAGACTGGATCACCAACTCCCTGTGGCTGACCTATTTATAGTGT
GGGCTCGGTGTGAGGATAACTGTATTCGGGGCTTCATACTGGAGAAGGGTATGCGGGGCCTCTCAGCCCC
TAGGATTGAAGGAAAGTTCTCCTTGCGGCCCTCGGCTACCGGTATGATCATCATGGACAGTGTGGAAGTG
CCTGAGGAGAATGTGCTGCCTAATGTATCCAGCCTGGCGGGCCCTTTGGCTGCCTAACACTGCCCGCT
ATGGCATCACATGGGGTGTGTTGGGAGCTGCTGAGTCTGTTTGCACACAGCCCGGCAGTATGCCCTAGA
CAGGATCCAGTTTGGAGTCCCCTTGGCCAGGAACAGCTGGTTCAGAAGAAGTTGGCAGACATGCTCACT
GAGTACACTGGGACTCCATGCTTGTGCAACTGGCCGTTTAAAGGATCAGGACAAGGCTACCCAG
AGATGGTCTCCATGTTGAAGAGAAACAACCTGTGAAAAGCCCTGGATATTGCCCGCCAGGCACGAGACAT
CCTGGGAGGAAAATGGGATTTCTGATGAGTACCATGTCATCCGGCATGCTATGAATCTGGAGGCAGTGAAC
ACTTATGAAGGTACACATGACATTCATGCTCTGATCCTTGGGAGAGCAATTACTGGGATTACGGCATTCA
CGGTTGGCAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001044744

Insert Size: 1344 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).

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_001044744.1, NP_001038209.2</u>
RefSeq Size:	2140 bp
RefSeq ORF:	1344 bp
Locus ID:	270076
Cytogenetics:	8 41.28 cM
Gene Summary:	<p>Catalyzes the oxidative decarboxylation of glutaryl-CoA to crotonyl-CoA and CO(2) in the degradative pathway of L-lysine, L-hydroxylysine, and L-tryptophan metabolism. It uses electron transfer flavoprotein as its electron acceptor.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>