

Product datasheet for **MC227748**

Gcdh (NM_008097) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gcdh (NM_008097) 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: >MC227748 representing NM_008097
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTTCTCTGCAATGCTCACCGCTACATGTCCCTGAGAGGAGTCTCCGCGGGTTGCTGAGCCGAGGT
 CCGGCCTGCGCTTCCCGGTTTTCCACGTACCTGGAGCTCGGCGGCCCCACACCGAGAAGACACAGAT
 CCGACCGGCCAAATCCTCTCGCCCCGTGTTGACTGGAAGGACCACTCATACTGGAGGAGCAGCTGACT
 GCCGATGAGAACTGATCAGGGACACCTTCCGTAACACTGCCAGGAGCGGCTTATGTCTCGAATTCTGC
 TGGCTAATCGAAATGAAGTTTTTACAGGGACATTGTGTATGAGATGGGGGAGCTGGCGGTGTTGGGACC
 CACCATTAAGGGTATGGCTGTGCTGGTGTGTCGTCGGTGGCCTATGGGCTCCTGACCCGAGAGCTTGAG
 AGGGTGGACAGTGGCTACAGGTCGATGATGAGTGTTCAGTCTCCCTTGTATGCACCCCATCTATACCT
 ATGGGAGCGAGGAACAGCGACAGAAATATCTGCCCGACTGGCCAAGGGTGAACCTCTGGGCTGCTTTGG
 ACTTACAGAGCCCAACCATGGGAGTGACCCAGGTGGCATGGAGACCAGAGCTCGCCACAATCCATCAAAC
 CAGAGCTACACTCTCAGTGGGACCAAGACTGGATCACCAACTCCCTGTGGCTGACCTATTTATAGTGT
 GGGCTCGGTGTGAGGATAACTGTATTCGGGGCTTCATACTGGAGAAGGGTATGCGGGGCCTCTCAGCCCC
 TAGGATTGAAGGAAAGTTCTCCTTGCGGCCCTCGGCTACCGGTATGATCATCATGGACAGTGTGGAAGTG
 CCTGAGGAGAAATGTGCTGCCTAATGTATCCAGCCTGGCGGGCCCTTTGGCTGCCTAACACTGCCCGCT
 ATGGCATCACATGGGGTGTGTTGGGAGCTGCTGAGTCTGTTTGCACACAGCCCGGACAGTATGCCCTAGA
 CAGGATCCAGTTTGGAGTCCCCTTGGCCAGGAACAGCTGGTTCAGAAGAAGTTGGCAGACATGCTCACT
 GAGATCACACTGGGACTCCATGCTTGTGCAACTTGGCCGTTTAAAGGATCAGGACAAGGCTACCCAG
 AGATGGTCTCCATGTTGAAGAGAAACAACCTGTGAAAAGCCCTGGATATTGCCCGCCAGGACGAGACAT
 CCTGGGAGGAAAATGGGATTTCTGATGAGTACCATGTCATCCGGCATGCTATGAATCTGGAGGCAGTGAAC
 ACTTATGAAGGTACACATGACATTCATGCTCTGATCCTTGGGAGAGCAATTACTGGGATTACGGCATTCA
 CGGTTGGCAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_008097
- 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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: [NM_008097.2](#), [NP_032123.3](#)

RefSeq Size: 2197 bp

RefSeq ORF: 1344 bp

Locus ID: 270076

UniProt ID: [Q60759](#)

Cytogenetics: 8 41.28 cM

Gene Summary: 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]
Transcript Variant: This variant (1) represents the longer transcript. 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.