

Product datasheet for **MC215785**

Gapdhs (NM_008085) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gapdhs (NM_008085) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gapdhs
Synonyms:	Gapd-s; Gapds
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC215785 representing NM_008085
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCGAGACGTGACGTGGTCCCTTACCAATGTTACTGTTGTCCAGCTACGGCGGGACCGATGCCATGCC
 CATGCCCATGTCCATGCCCATGCCCTGTGATCAGACCACCTCCACCCAAGGTTGAGGATCCACCACCAC
 GGTTGAAGAACAGCCACCGCCACCGCCGCCACCTCCACCTCCACCACCACCTCCTCCTCCTCCTCCA
 CCCCAGATAGAGCCAGACAAGTTTGAAGAGGCTCCCCCTCCCCCTCCCCCTCCTCCTCCTCCTCCCCCTC
 CCCCTCCCCACCCTCCAAAAGCCAGCTAGAGAGCTGACAGTGGGTATCAATGGATTTGGAGCATTGG
 TCGTCTGGTGCTGCGAGTCTGCATGGAGAAGGGCATTAGGGTGGTAGCAGTGAATGACCCATTATTGAT
 CCAGAATACATGGTTTACATGTTCAAATATGACTCCACACATGGTAGATACAAAGGAAACGTGGAACATA
 AGAATGGACAAGTGTGGACAACCTTGAGATCAACACGTACCAGTCAAAGACCCTAAAGAAATCCC
 CTGGAGCTCTATAGGGAATCCCTACGTGGTGGAGTGTACAGGCGTCTATCTGTCCATCGAGGCAGCTTCG
 GCACATATTTTCTGTTGCCAGGCGTGTGGTGGTCACTGCACCCCTCCCCGATGCACCCATGTTTGTCA
 TGGGAGTGAACGAGAAGGACTATAACCCCTGGCTCTATGACCATTGTGAGCAATGCATCCTGTACCACAA
 CTGCTGGCTCCTCTCGCCAAGTTATTTCATGAAAACCTTCGGGATCGTGGAAAGGGCTAATGACCACAGTC
 CATTCTACACAGCCACTCAGAAGACAGTGGATGGGCCATCAAAGAAGGACTGGCGAGGTGGCCGCGCGG
 CTCACCAAACATCATCCCATCGTCCACTGGGGCTGCCAAGGCTGTAGGCAAAGTCAATCCAGAGCTCAA
 AGGGAAGCTAACAGGAATGGCATTCCGGGTGCCAACCCCAAACGTGTGAGTTGTGGACCTGACCTGCCGC
 CTGGCCAAAGCTGCTTCTTACTCGGCTATCACGGAGGCTGTGAAAGCTGCAGCCAAGGACCTTTGGCTG
 GCATCCTTGCTTACACAGAGGACCAGTGGTCTCCACGGACTTTAACGGCAATCCCCATTCTTCCATCTT
 TGATGCTAAGGCTGGAATTGCCCTCAATGACAACCTTCGTGAAGCTTGTGCTGGTACGACAACGAATAT
 GGCTACAGTAACCGAGTGGTTCGACCTCCTCCGCTACATGTTTAGCCGAGAGAAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_008085

Insert Size: 1317 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: [NM_008085.2](#), [NP_032111.1](#)

RefSeq Size: 1476 bp

RefSeq ORF: 1317 bp

Locus ID: 14447

UniProt ID: [Q64467](#)

Cytogenetics: 7 B1

Gene Summary: May play an important role in regulating the switch between different pathways for energy production during spermiogenesis and in the spermatozoon. Required for sperm motility and male fertility.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) contains an alternate first exon compared to variant 1. The resulting isoform (2) has a shorter and distinct N-terminus compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.