

Product datasheet for **MR229930**

Gapdhs (NM_001290631) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gapdhs (NM_001290631) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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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ORF Nucleotide Sequence:

>MR229930 representing NM_001290631
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCGAGACGTGACGTGGTCTTACCAATGTTACTGTTGCCAGCTACGGCGGGACCGATGCCCATGCC
 CATGCCCATGCCATGTCCATGCCATGCCCTGTGATCAGACCACCTCCACCCAAGGTTGAGGATCCACC
 ACCCACGGTTGAAGAACAGCCACCGCCACCGCCGCCACCTCCACCTCCACCACCACCTCCTCCTCCT
 CCTCCACCCAGATAGAGCCAGACAAGTTTGAAGAGGCTCCCCCTCCCCCTCCCCCTCCTCCTCCTC
 CCCCTCCCCCTCCCCACCCTCCAAAAGCCAGCTAGAGAGCTGACAGTGGGTATCAATGGATTTGGACG
 CATTGGTCGTCTGGTCTGCGAGTCTGCATGGAGAAGGGCATTAGGGTGGTAGCAGTGAATGACCCATTC
 ATTGATCCAGAATACATGGTTTACATGTTCAAATATGACTCCACACATGGTAGATACAAAGGAAACGTGG
 AACATAAAGATGGACAAGTGTGGACAACCTTGAGATCAACACGTACCAAGTGCAGGACCTAAAGA
 AATCCCCTGGAGCTCTATAGGGAATCCCTACGTGGTGGAGTGTACAGGCGTCTATCTGTCCATCGAGGCA
 GCTTCGGCACATATTTTCATCTGGTGCCAGGCGTGTGGTGGTCACTGCACCTCCCCCGATGCACCCATGT
 TTGTCATGGGAGTGAACGAGAAGGACTATAACCCTGGCTCTATGACCATTGTCAGCAATGCATCCTGTAC
 CACCAACTGCCTGGCTCCTCTCGCCAAGGTTATTCATGAAAACCTCGGGATCGTGGAAAGGGCTAATGACC
 ACAGTCCATTCTACACAGCCACTCAGAAGACAGTGGATGGGCCATCAAAGAAGGACTGGCGAGGTGGCC
 GCGGCGCTACCAAAACATATCCCATCGTCCACTGGGGCTGCCAAGGCTGTAGGCAAAGTCATCCAGAG
 GCTCAAAGGGAAGCTAACAGGAATGGCATTCCGGGTGCCAACCCCAAACGTGTGAGTTGTGGACCTGACC
 TGCCGCTGGCCAAGCCTGCTTCTTACTCGGCTATCACGGAGGCTGTGAAAGCTGCAGCCAAGGGACCTT
 TGGCTGGCATCCTTGCTTACACAGAGGACCAGGTGGTCTCCACGGACTTTAACGGCAATCCCCATTCTTC
 CATCTTTGATGCTAAGGCTGGAATTGCCCTCAATGACAACCTTCGTGAAGCTTGTTCCTGTACGACAAC
 GAATATGGCTACAGTAACCGAGTGGTCGACCTCCTCCGCTACATGTTTAGCCGAGAGAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR229930 representing NM_001290631
 Red=Cloning site Green=Tags(s)

MSRRDVLTNVTVVQLRRDRCPCCPCPCPCPVIRPPPKVEDPPPTVEEQPPPPPPPPPPPPPPPP
 PPPQIEPDKFEEAPPPPPPPPPPPPPPLQKPARELTVGINGFGRIGRLVLRVCMEEKIRVVAVNDPF
 IDPEYVMYMFKYDSTHGRYKGNVEHKNGQLVVDNLEINTYQCKDPKEIPWSSIGNPYVVECTGVYLSIEA
 ASAHISSGARRVVVTAPSPDAPMFVMGVNEKDYNPGSMTIVSNASCTTNCLAPLAKVIHENFGIVEGLMT
 TVHSYATQKTVDGPKKDWGRGGAHQNIIPSSSTGAAKAVGKVIPELKGKLTGMAFRVPTPNVSVVDLT
 CRLAKPASYSAITAVKAAAKGPLAGILAYTEDQVVSTDFNGNPHSSIFDAKAGIALNDFVKLVAVYDN
 EYGYSNRVVDLLRYMFSREK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001290631

ORF Size: 1320 bp

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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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).

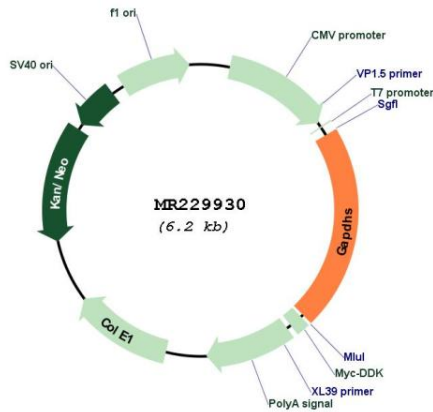
- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the 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_001290631.1](#), [NP_001277560.1](#)

RefSeq Size: 1458 bp
 RefSeq ORF: 1323 bp
 Locus ID: 14447
 Cytogenetics: 7 B1
 MW: 48.1 kDa

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]

Product images:



Circular map for MR229930