OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MR203907

Aspdh (NM_026690) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aspdh (NM_026690) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Aspdh
Synonyms:	0610012D14Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR203907 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCACCAGTACGCTCCCTCAAGTTCCTTACAAGGTGGGGGTGGTGGGCTATGGCCGCCTGGGACAGT
CCCTTGTGTCCCGCCTTCTGGCTCAGGGATCAGAACTGGGCCTAGAACTTGTTTTTGTGTGGAACCGTGA
CCCTGGACGGATGGCAGGGAGTGTGCCCCCTGCCCTGCAGCTCCAAGACCTCACTGCCCTTGAGGAAAGG
CACCCTGACCTTGTGGTAGAAGTGGCCCACCCCAAAATAATCCATGAATCTGGGGCACAAATCCTTCGCC
ATGCAAACCTCCTGGTGGGATCCCCCTCAGCTCTGGCTGACCAGACCACAGAGCAGCAGCTCCTGGAAGT
TTCAAAGCGCTGGGGCCACACTGTGTTTGTGGCCCGAGGGGCCCTATGGGGCAGTGAAGACATCAGCAGA
CTGGATGCAGCCGGAGGCCTCCAGAGCCTTCGAGTCACCATGGCCACACATCCTGATGGCTTCCGGTTGG
AAGGACCCCTGGCTGCAGCCCACAGTAGTGGGCCCCGCACAGTGCTCTATGAGGGCCCTGTGCGTGGGCT
CTGCCCCTTGGCCCCCCGAAACTCTAACACCATGGCAGCTGCTGCCCTGGCTGCCCCCAGTCTAGGCTTC
GACCGTGTCATTGGGGTGCTTGTGGCTGACCTTAGCCTCACCGACATGCACGTGGTGGATGTGGAGCTGC
TAGGACCCCCAGGGCCTTCAGGTCGCAGCTTCTCCGTGCACACCCACAGAGAGAACCCAGCCCAGCCTGG
CGCTGTCACCGGCTCTGCTACTGTTACAGCCTTCTGGCACAGCCTACTGGGCTGCTGTCAGCTCACCTCC
AGACCTGGGATCCACCTCTGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

View online »

Protein Sequence:

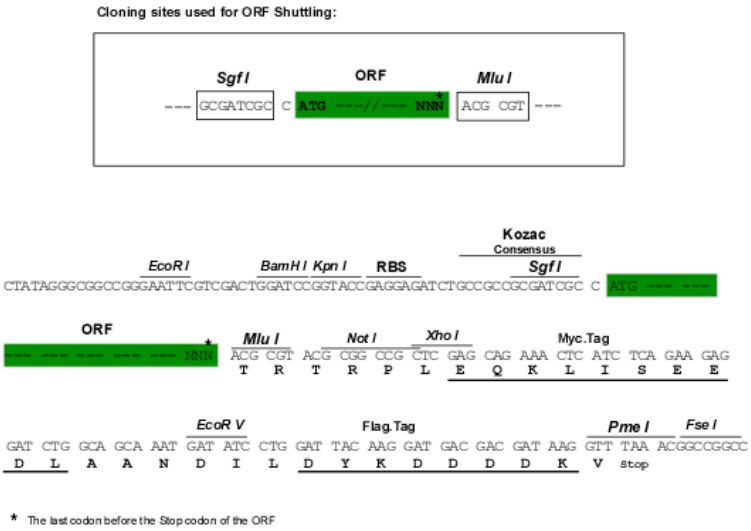
>MR203907 protein sequence
Red=Cloning site Green=Tags(s)

MATSTLPQVPYKVGVVGYGRLGQSLVSRLLAQGSELGLELVFVWNRDPGRMAGSVPPALQLQDLTALEER
HPDLVVEVAHPKIIHESGAQILRHANLLVGSPSALADQTTEQQLLEVSKRWGHTVFVARGALWGSEDISR
LDAAGGLQSLRVTMATHPDGFRLEGPLAAAHSSGPRTVLYEGPVRGLCPLAPRNSNTMAAAALAAPSLGF
DRVIGVLVADLSLTDMHVVDVELLGPPGPSGRSFSVHTHRENPAQPGAVTGSATVTAFWHSLLGCCQLTS
RPGIHLC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_026690

ORF Size: 864 bp

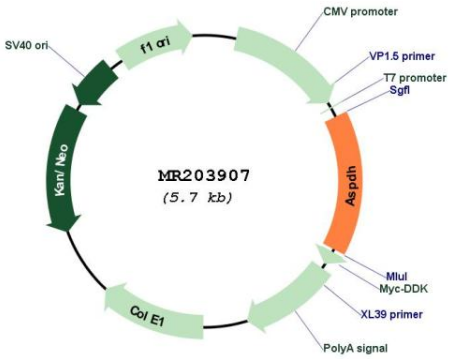
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_026690.1, NP_080966.1
RefSeq Size:	966 bp
RefSeq ORF:	864 bp
Locus ID:	68352
UniProt ID:	Q9DCQ2
Cytogenetics:	7 B3
MW:	30.3 kDa
Gene Summary:	Specifically catalyzes the NAD or NADP-dependent dehydrogenation of L-aspartate to iminoaspartate.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203907