

Product datasheet for **RR200910**

Zadh2 (NM_001106129) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zadh2 (NM_001106129) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zadh2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR200910 representing NM_001106129 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGCTGAGGCTGGCGACCGCCGGGGCCGAGCCATCGTGGACATGTCGTACGCCCGTCACTTCTGGACT
TCCAGGGCTCCGCCATCCCCGAACATGCAGAAGCTGGTGGTAACCCGGCTGAGCCCTAACTTCCACGA
GGCCGTCACCCCTGCGCCGGGACTGCCAGTGCCGCTCCCGGGGACGGAGACCTCCTCGTCGGAAACCGA
TTCGTTGGTATTAACGCATCTGACATCAACTATTCAGCTGGCCGCTATGACCCATCCGTGAAGCCCCCT
TTGACATAGGTTTTGAAGGGATTGGTGAGTGGTGGCCTTAGGTCTCTCTGCCAGTGCTAAGTACACAGT
GGGCCAGGCTGTGGCTTATGTGACTCCCGGTTCCCTTGGCCGAGTATACAGTGGTGCCTGCTAGCATTGCA
ATTCCTATGCCTTCAGTGAAACCTGAATATCTCACCTTGCTGGTATGTTGGCACCCTGCATACATCAGCC
TGAAAGAGCTTGGAGAGCTGTCAGAAGGGAAGAAAGTTTTGGTTACAGCAGCCGCTGGGGGCACAGGTCA
GTTTGCTGTGCAGCTTCAAAGTTAGCCAAGTCCATGTTGTCCGAACCTGCTCCTCAGACGAAAAATCA
GCTTTTCTGAAGTCTGTTGGGTGTGATCGGCCAATCAACTACAGAACAGAGCCCGTGGAGACAGTTCTGA
AGCAGGAGTACCCTGAAGGAGTTGATGTAGTCTATGAGTCTGTTGGGGAGCCATGTTTGACCTGGCCGT
GGATGCCTTAGCCACAAAGGGCCTTGATAGTAATTGGGTTTATCTCTGGTTACCAAAGCCCTACAGGA
CTTTCACCAGTCAAAGCGGGAGCTTGGCCGCCAAACTCCTGAAGAAGTCAAGCCAGCCTCAGGGGTTTCT
TCCTGAACCCTACTTCGACAAGTACCAGGCTGCCATGGAACACTTGCTACAGCTGTACACTCGTGGGGA
CCTGGTGTGTGAGGTGGACCTGGGACACCTGGCCCCAGAGGGGAGGTTTATTGGCCTGGAGTCCATATTT
CAGGCTGTTGACTATATGTAAGTCTCGGGGAAAAATATTGGGAAACTGTTGTTGAATTACCACACCTGTCA
GCAGTAAGCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR200910 representing NM_001106129
 Red=Cloning site Green=Tags(s)

MLRLATAGARAIVDMYSYARHFLDFQGS AIPRTMQKL VVTRLSPNFHEAVTLRRDCPVPLPGDGDLLVRNR
 FVGINASDINYSAGRYDPSVKPPFDIGFEGIGEVVALGLSASAKYTVGQAVAYVTPGSFAEYTVVPASIA
 IPMP SVKPEYL TLLVSGTTAYISLKELGELSEGKVLVTAAGGTGQFAVQLSKLAKCHVVGTCSSDEKS
 AFLKSVGCDRPI NYRTEPVETVLKQEYPEGVDVVYEVSGGAMFDLAVDALATKGRLIVIGFISGYQSPTG
 LSPVKAGALPAKLLKKSASLRGFFLNHYFDKYQAAMEHLLQLYTRGDLVCEVDLGH LAPEGRFIGLESIF
 QAVDYMYSGKNIGKLVVELPHPVSSKL

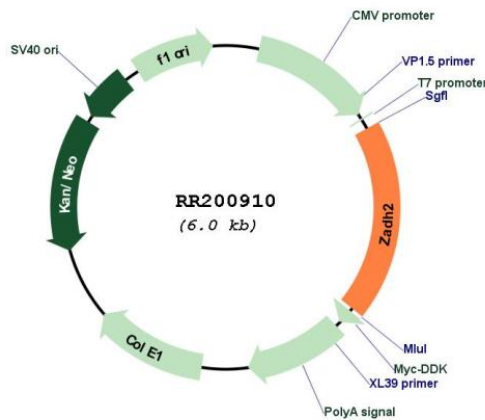
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001106129

ORF Size:	1131 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:	<ol style="list-style-type: none">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_001106129.1 , NP_001099599.1
RefSeq Size:	3356 bp
RefSeq ORF:	1134 bp
Locus ID:	291403
Cytogenetics:	18q12.3
MW:	40.5 kDa