

Product datasheet for MR202872

Eid2 (NM_198425) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eid2 (NM_198425) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Eid2
Synonyms:	Cri2; EID-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202872 representing NM_198425 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGCAGCTGCCCGCAGTCAGCAGCGCCCCGCAGACGGGAGCAGCGAGCCGCGACCGCCGGCTCCCGC
AGGCCGAGGTAGGCGGCGGGCGGGCTGCGCTCCCGGGTCCGGCGCGACCTGGGGAGACCCGGGGACGCC
AATGGCGGCGGCCCGGAAGGCCCGCAGCCCCGGCGGGCTGCCAGGGGAGGCCGGTGGCTGCAGCC
CGGAAGGCAGGGCGGCGGGCCGAGGAGGCCCTGGGGCGGCCCGGGGCGGCGCAGCGGCCCGCG
AAGCCCCGGCGGGCGGGCGGCTCCAGGAAGCCGGATGGCAGAGGTGCCCGGCTGCTGGGCGATCC
GCTGGAGGAGGAGCTCCGGAGGGCAGGCCCGGTCCAGGGCGGGCGCCCTGGCGCGATGCCGTACATG
CGTTCGGCCACCCCTCAGCGTCTGGGCATCAATTACCAGCAGTTCCTGCGCCACTACCTGGAGAAT
ACCCGATCGCCCCGGCCGGATCCAGGAGCTGGAGGAGCGCCGGCGGCTTCGTGGAGGCTGCCGAGC
CAGGGAGGCAGCCTTCGACATAGAGTACCTGCGTAACCCCGAGAGGGTGGATTTTGACATTTTAACTTT
ACCATAGCCCTGACTGCATCAGAGGTGATCAATCCTCTAATAGAAGAAGTGGTTGCGATAAGTTCATCC
ACAGAGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR202872 representing NM_198425
 Red=Cloning site Green=Tags(s)

MSQLPAVSSAPQTGAASRDRLPQAEVGGRRALPGPARPGETRGRPMAAAREGPAAPAAAARGGRVAAA
 REGRAAAARGGPGAAPRGGAAAREGPAAAAASREARMAEVARLLGDPLEEEAPEGRPRSAGGLAAMPYM
 RFRHPLSVLGINYQQFLRHYLENYPIAPGRIQELEERRRRFVEACRAREAAFDIEYL RNPQRVDFDILTF
 TIALTASEVINPLIEELGCDKFIHRE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9110_e09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_198425

ORF Size: 708 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.

RefSeq: [NM_198425.2](#), [NP_940817.1](#)

RefSeq Size: 1299 bp

RefSeq ORF: 711 bp

Locus ID: 386655

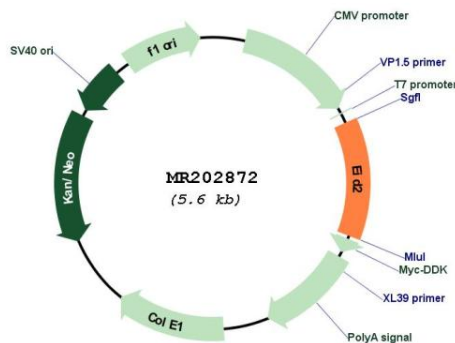
UniProt ID: [Q6X7S9](#)

Cytogenetics: 7 A3

MW: 25.3 kDa

Gene Summary: Interacts with EP300 and acts as a repressor of MYOD-dependent transcription and muscle differentiation. Inhibits EP300 histone acetyltransferase activity. Acts as a repressor of TGF β /SMAD transcriptional responses. May act as a repressor of the TGF β /SMAD3-dependent signaling by selectively blocking formation of TGF β -induced SMAD3-SMAD4 complex (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR202872