

## Product datasheet for **MG202872**

### Eid2 (NM\_198425) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Eid2 (NM_198425) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Eid2
Synonyms:	Cri2; EID-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG202872 representing NM_198425 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCGCAGCTGCCCGCAGTCAGCAGCGCCCCGCAGACGGGAGCAGCGAGCCGCGACCGCCGGCTCCCGC  
AGGCCGAGGTAGGCGGCGGGCGGCGTGCCTCCCGGGTCCGGCGCGACCTGGGGAGACCCGGGGACGCC  
AATGGCGGCGGCCCGGAAGGCCCGCAGCCCCGGCGGCGGTGCCAGGGGAGGCCGGGTGGCTGCAGCC  
CGGAAGGCAGGGCGGCGGCGGCCGAGGAGCCCTGGGGCGGCGCCCCGGGGCGGCGCAGCGGCCCGCG  
AAGCCCCGGCGGCGGCGGCGTCCAGGAAGCCGGATGGCAGAGGTGGCCCGCTGCTGGGCGATCC  
GCTGGAGGAGGAGCTCCGGAGGGCAGGCCCGTCCAGGGCGGGCGCCTGGCGCGATGCCGTACATG  
CGTTCGCCACCCCTCAGCGTCTGGGCATCAATTACCAGCAGTTCCTGCGCCACTACCTGGAGAAT  
ACCCGATCGCCCCCGGCCGGATCCAGGAGCTGGAGGAGCGCCGGCGGCGTTCGTGGAGGCTGCCGAGC  
CAGGGAGGCAGCCTTCGACATAGAGTACCTGCCTAACCCCGAGGGTGGATTTTGACATTTTAACTTT  
ACCATAGCCCTGACTGCATCAGAGGTGATCAATCCTCTAATAGAAGAACTGGGTTGCGATAAGTTCATCC  
ACAGAGAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG202872 representing NM\_198425  
Red=Cloning site Green=Tags(s)

MSQLPAVSSAPQTGAASRDRLPQAEVGGRRALPGPARPGETRGRPMAAAREGPAAPAAAAARGGRVAAA  
 REGRAAAARGGPGAAPRGGAAAREGPAASREARMAEVARLLGDPLEEEAPEGRPRSAGGLAAMPYM  
 RFRHPLSVLGINYQQFLRHYLENYPIAPGRIQLEERRRRFVEACRAREAAFDIEYLRNPQRVDFDILTF  
 TIALTASEVINPLIEELGCDKFIHRE

TRTRPLE - GFP Tag - V

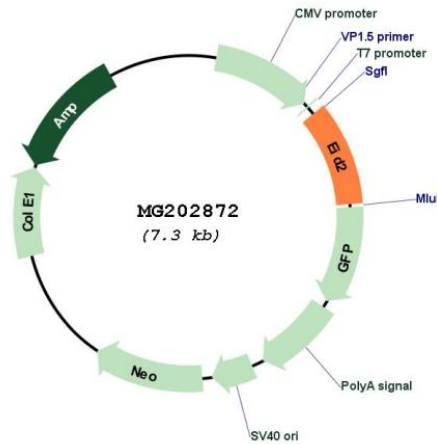
**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**ACCN:** NM\_198425

**ORF Size:** 708 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_198425.2</a> , <a href="#">NP_940817.1</a>
<b>RefSeq Size:</b>	1299 bp
<b>RefSeq ORF:</b>	711 bp
<b>Locus ID:</b>	386655
<b>UniProt ID:</b>	<a href="#">Q6X7S9</a>
<b>Cytogenetics:</b>	7 A3
<b>Gene Summary:</b>	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 TGFB/SMAD transcriptional responses. May act as a repressor of the TGFB/SMAD3-dependent signaling by selectively blocking formation of TGFB-induced SMAD3-SMAD4 complex (By similarity).[UniProtKB/Swiss-Prot Function]