

Product datasheet for **MG217228**

Epc2 (NM_172663) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Epc2 (NM_172663) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Epc2
Synonyms:	5830499L14; D2Ertd694e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG217228 representing NM_172663
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGTAAACTCTCCTTCGAGCGCGGGCTGGACGCCCAAACCGCTGCCCATCTACCGCGCAAGG
 ACATGCCTGATCTCAACGACTGCGTCTCCATCAACCGGGCCGTGCCCCAGATGCCACCGGATGGAGAA
 GGAGGAGGAATCGGAACATCACCTACAGCGAGCTATTTACAGCGCAGCAAGTATTTAGAGAAAAAAGAG
 AGCATGGTCATTCCAGTTCCTGAGGCAGAGAGCAACGTCACCTATTACAATCGCTTGACAAAGGGGAGT
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 ACAATTCCTGCCTGACCAATGCAGTGCACCTCAATAACGTCAGTGTGTTTCTCCTGTCAATGTGCATAT
 CAATACACGGACTTCAGCACCATCGCCAACAGCCTTAAAACCTGCCACAGTTGCTGCCAGCATGGACAGA
 GTGCCAAAGTTACTCCAGCAGTGCATCAGCAGCATAGCCAGAGAGAACCATGAACCGAAAGACTGG
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

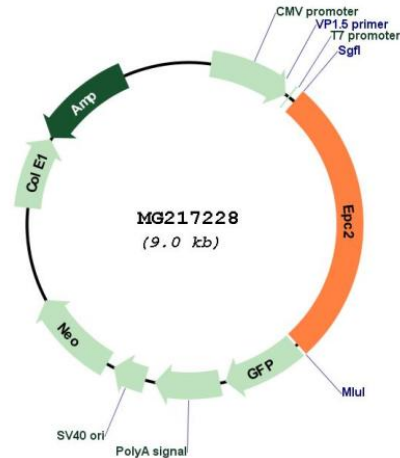
Protein Sequence: >MG217228 representing NM_172663
 Red=Cloning site Green=Tags(s)

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MSKLSFRARALDAAKPLPIYRGKMPDLNDCVSNRAVPQMPTGMEKEESEHHLQRAISAQQVFREKKE
SMVIPVPEAESNVNYYNRLYKGEFKQPKQFIHIQPFNLDNEQPDYDMSEDETLLNRLNRKMEIKPLQFE
IMIDRLEKASSNQLVTLQEAKLLLNEDDYLIKAVYDYWVRKRKNCRGPSLIPQIKQEKRKGSTNNDPYVA
FRRRTEKMQTRKNRKNDEASYEKMLKLRRREFSRAITILEMIKRREKTKRELLHLTLEVVEKRYHLGDYGG
EILNEVKVNRSEKELYASPATLHNGNHHKVECKTKHPHHLSLKEEASDVVRQKKKYPKKPKAEAGIAPQ
QPTPETLPVINKSDIKQYDFQSSDEDEFQVLSASEAEENDPDGSCAFRRRAGCQYYAPRLDQANNHM
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TIDFSSNFSRTNASSKPCENRSLSEILSNIRSCRLQCFQPRLLNVQIDSEECTSRKPGQTVSSKRVSA
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TLDSASAHFAASAVVSAPVPSRSEGSKEQNTGHNNMNGVVQPSGSKTLYSTNMALSSSPGISAVQLVRT
VGHTTTNHLIPALCTSSPQTLPMNNSCLTNAVHLNNVSVVSPVNVHINTRTSAPSPTALKLATVAASMDR
VPKVTPSSAISSIARENHEPERLGLNGLAETTVAMEVT
  
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TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

Plasmid Map:


ACCN: NM_172663

ORF Size: 2424 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_172663.4](#), [NP_766251.3](#)

RefSeq Size: 4358 bp

RefSeq ORF: 2427 bp

Locus ID: 227867

UniProt ID: [Q8C0I4](#)

Cytogenetics: 2 28.62 cM

Gene Summary: May play a role in transcription or DNA repair.[UniProtKB/Swiss-Prot Function]