

G90028Mu01 10 μ g
cDNA Clone of Erythropoietin (EPO)
Organism: Mus musculus (Mouse)
Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

1ST Edition (Revised in March, 2013)

[cDNA CLONE PRODUCT INFORMATION]

Gene Synonym: EPO

NCBI Reference Sequence: NM_007942.2

cDNA Size: 501bp

Residues: Ala27~Arg192 (Accession # P07321)

Vector: Cloning vector

[RELATED PRODUCTS]

Protein USCN Accession No.: P90028Mu01

Antibody USCN Accession No.: A90028Mu01

Primer USCN Accession No.: R90028Mu01

[USAGE]

Briefly centrifuge the tube for 30 seconds, then reconstitute the lyophilized plasmid in sterile water to make stock solution.

Note: *Select the targeted gene carefully. TE buffer is not recommended for inhibiting enzyme reactions*

Unique product **Superb quality** **Client favorite** **Nicest service**  **ISO9001:2008**;  **ISO13485:2003**; 

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[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Lyophilized plasmid can transport at room temperature and stable more than 12 months at -80°C.

[SEQUENCES]

Its sequence is listed below.

T7 Transcription Start
→

TGTAA TACGA CTCAC TATAG GGCGA ATTGG GCCCG ACGTC GCATG CTCCC GGCCG CCATG GCGGC CGCGG GAATT

EcoRI
↓

CGATT GAATTC GCTCCCCAC GCCTCATCTG CGACAGTCGA GTTCTGGAGA GGTACATCTT AGAGGCCAAG GAGGCAGAAA
ATGTCACGAT GGGTTGTGCA GAAGGTCCCA GACTGAGTGA AAATATTACA GTCCCAGATA CCAAAGTCAA CTTCTATGCT
TGGAAAAGAA TGGAGGTGGA AGAACAGGCC ATAGAAGTTT GGCAAGGCCT GTCCTGCTC TCAGAAGCCA TCCTGCAGGC
CCAGGCCCTG CTAGCCAATT CCTCCAGCC ACCAGAGACC CTTGAGCTTC ATATAGACAA AGCCATCAGT GGTCTACGTA
GCCTCACTTC ACTGCTTCGG GTACTGGGAG CTCAGAAGGA ATTGATGTCG CCTCCAGATA CCACCCACC TGCTCCACTC
CGAACACTCA CAGTGGATAC TTTCTGCAAG CTCTCCGGG TCTACGCCAA CTTCTCCGG GGGAAACTGA AGCTGTACAC

XhoI
↓

GGGAGAGGTC TGCAGGAGAG GGGACAGGTGA CTCGAG AATCAC TAGTG AATTC GCGGC CGCCT GCAGG TCGAC CATAT

*
← SP6 Transcription Start

GGGA GAGCT CCCAA CGCGT TGGAT GCATA GCTTG AGTAT TCTAT AGTGT CACCT AAAT

[QUALITY CONTROL]

1. Plasmid construction has been confirmed by restriction analysis and ORF sequencing.
2. Recombinant Plasmid has been expressed in BL21(DE3).
3. Identical with the Gene Bank Ref. ID sequence ☒ Synonymous mutation
Missense mutation

[REFERENCES]

1. Otto D.M., *et al.* (2003) Mol. Cell. Biol. 23:6103-6116.
2. Binley K., *et al.* (2002) Blood 100:2406-2413.
3. Lee R., *et al.* (2001) Blood 98:1408-1415.
4. Makita T., *et al.* (2001) Genes Dev. 15:889-901.

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