

G91011Mu01 10μg
cDNA Clone of Runt Related Transcription Factor 2 (RUNX2)
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: RUNX2

NCBI Reference Sequence: NM_001271627.1

cDNA Size: 687bp

Residues: Ser125~Ala352 (Accession # Q08775)

Vector: Cloning vector

[RELATED PRODUCTS]

Protein USCN Accession No.: P91011Mu01

Antibody USCN Accession No.: A91011Mu01

Primer USCN Accession No.: R91011Mu01

[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 AGTCCCAACT TCCTGTGCTC CGTGCTGCCC TCGCACTGGC GGTGCAACAA GACCCCTGCC GTGGCCTTCA
AGGTGTAGC CCTCGGAGAG GTACCAGATG GGAAGTGGT TACCGTCATG GCCGGGAATG ATGAGAACTA CTCCGCCGAG
CTCCGAAATG CCTCCGCTGT TATGAAAAAC CAAGTAGCCA GGTTCACGA TCTGAGATT GTGGGCCGGA GCGGACGAG
CAAGAGTTTC ACCTTGACCA TAACAGTCTT CACAAATCCT CCCCAAGTGG CCACTTACCA CAGAGCTATT AAAGTGACAG
TGGACGGTCC CCGGGAACCA AGAAGGCACA GACAGAAGCT TGATGACTCT AAACCTAGTT TGTCTCTGA TCGCCTCAGT
GATTAGGGC GCATTCTCTA TCCAGTATG AGAGTAGGTG TCCCGCCTCA GAACCCACGG CCCTCCCTGA ACTCTGCACC
AAGTCTTTT AATCCACAAG GACAGAGTCA GATTACAGAT CCCAGGCAGG CACAGTCTT CCCACCGTGG TCCTATGACC
AGTCTTACCC CTCCTATCTG AGCCAGATGA CATCCCCATC CATCCACTCC ACCACGCCGC TGTCTTCCAC ACGGGGCACC

XhoI

GGGCTACCTG CCATCACTGA CGTGCCGAGG CGTATTTTCTG ATGATGACAC TGCC TGA CTCGAG AATCAC TAGTG AATTG
*

GCGGC CGCCT GCAGG TCGAC CATAT GGGA GAGCT CCCAA CGCGT TGGAT GCATA GCTTG AGTAT TCTAT AGTGT
CACCT AAAT ← SP6 Transcription Start

[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. Tu X., *et al.* (2012) Dev. Biol. 362:76-82.
2. Shim J.H., *et al.* (2012) J. Clin. Invest. 122:91-106.
3. Tang W., *et al.* (2012) J. Biol. Chem. 287:1671-1678.
4. Hirata M., *et al.* (2012) Hum. Mol. Genet. 21:1111-1123.

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