

**G90002Ca02 10 $\mu$ g**  
**cDNA Clone of Activated Leukocyte Cell Adhesion Molecule (ALCAM)**  
**Organism: Canis familiaris; Canine (Dog)**  
***Instruction manual***

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

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1<sup>ST</sup> Edition (Revised in March, 2013)

## **[ cDNA CLONE PRODUCT INFORMATION ]**

**Gene Synonym:** ALCAM

**NCBI Reference Sequence:** CAA73694

**cDNA Size:** 810bp

**Residues:** Cys208~His476 (Accession # O46634)

**Vector:** Cloning vector

## **[ RELATED PRODUCTS ]**

Protein USCN Accession No.: P90002Ca02

Antibody USCN Accession No.: A90002Ca02

Primer USCN Accession No.: R90002Ca02

## **[ 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 GCGCA ATTGG GCCCG ACGTC GCATG CTCCC GGCCG CCATG GCGGC CGCGG GAATT

EcoRI  
↓

CGATT GAATTC TGCTTGGGAA ATGGTAACCC TCCTCCTGAA GAATTTTGT TTTACCTACC AGGACAGCCT GAAGGAATAA  
GAAGCTCAA TACTTACACG TTGACAGATG TGAGGCGAAA TGCAACAGGA GACTACAAGT GCTCCCTGAT AGACAAAAAA  
AGCATGATTG CTTCAACAGC TATCACAGTT CACTATTTGG ATTTGTCCTT AAACCCAAGT GGAGAAGTGA CCAAGCAGAT  
TGGCGATGCC TTGCCTGTGT CATGCACAAT ATCTGCTAGC AGGAACGCAA CTGTGGTATG GATGAAAGAC AACATCAGGC  
TTCGATCTAG CCCATCATTT TCCAGTCTCC AGTATCAGGA TGCTGGAAC TATGTCTGTG AAAGTCTCT GCAAGAGGTC  
GAAGGCCTAA AGAAAAAGAGA GTCATTGACA CTCATAGTAG AAGGAAAACC TCAAATCAAA ATGACAAAGA AAAGTGTATC  
CAGTGGACTG TCTAAACAA TAATCTGCCA TGTGGAAGGT TTTCCGAAGC CGGCTATACA ATGGACAATT ACCGGCAGTG  
GAAGCGTCAT AAACCAACA GAGGAATCTC CTTATATAAA TGGCAGGTAT TATAGTACAA TTATCAATTC CCCTGAAGAG  
AATGTTACAT TAAGTTCAC AGCAGAAAAC CAGCTGGAGA GAACAGTAAA CTCCTTGAAT GTCTCTGCTA TAAGTATCCC  
AGAACACGAT GAGGCAGACG AAATAAGTGA TGAACACAGA GAACAGGTGA ACCACCGGGC AACCTGATC GTGGGGATCG

XhoI  
↓

TCCTTCGTCT CCTCCAT TGA CTCGAG AATCAC TAGTG AATTC GCGGC CGCCT GCAGG TCGAC CATAT GGGGAGAGT

\*  
SP6 Transcription Start  
←

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. Bruder S.P., *et al.* (1998) J. Bone Miner. Res. 13:655-663.
2. Liu T., *et al.* (2006) J. Proteome Res. 4 (6): 2070-80.
3. Verma A., *et al.* (2005) Oncology 68 (4-6): 462-70.
4. Zhang H., *et al.* (2003) Nat. Biotechnol. 21 (6): 660-6.

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