

Product datasheet for **MC204698**

Icos (NM_017480) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Icos (NM_017480) Mouse Untagged Clone
Tag: Tag Free
Symbol: Icos
Synonyms: AILIM; CCLP; CRP-1; H4; Ly115
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC034852
GGAGGAGAAGACTGCAACTGCTCCTGGCAGACATGAAGCCGTA CTCTGCCGTGTCTTTGTCTTCTGCTT
CCTAATCAGACTTTTAAACAGGAGAAATCAATGGCTCGGCCGATCATAGGATGTTTTTCATTTACAAATGGA
GGTGACAGATTTCTTGTAAATACCTGAGACTGTCCAGCAGTTAAAAATGCGATTGTTCCAGAGAGAGAG
AAGTCCTCTGCGAACTACCAAGACCAAGGGAAGCGGAAATGCGGTGTCCATCAAGAATCCAATGCTCTG
TCTATATCATCTGTCAAACAACAGCGTCTCTTTTTTCTAAACAACCCAGACAGCTCCCAGGGAAGCTAT
TACTTCTGCAGCCTGTCCATTTTTGACCCACCTCTTTTTCAAGAAAGGAACCTTAGTGGAGGATATTTGC
ATATTTATGAATCCCAGCTCTGCTGCCAGCTGAAGCTCTGGCTACCCGTAGGGTGTGCAGCTTTCGTTGT
GGTACTCCTTTTTGGATGCATACTTATCATCTGGTTTTCAAAAAAGAAATACGGATCCAGTGTGCATGAC
CCTAATAGTGAATACATGTTTCATGGCGCAGTCAACACAACAAAAAGTCTAGACTTGCAGGTGTGACCT
CATAAGCTGGAACACCCGACCCACAGAGGAAACGCATGGACTAGTTCCCTGAAACTTGAATGGAGAAA
TTCTTCTATTTCTGGACCACAGGGCACCTGACTTGATTTAACTACAGACAACATTCTGCTGGTGTTTTG
TTTGTCTGGATCAGTGACTATCAGTCATTCAGAATTTTCAGCAGACTGCCCTGGGTTTGTGAGTCCTTTT
AAGATGAACCCCTTCTTAAAGGAAGCCAGCTCATATATTTCAACAAACAGACCTCACTGGGATAGAAT
GCCCTCTCTCCGTGCCTGATTCTAGCTATGCACTGGCCAGGAAAAACAACATATCTCCAGCATTTTTTT
ACAAAAATGCCGAGGGTATGAATCTGTAAAGCACACAGGCAGCCAATGGCCACCATCTGCTCCTATTTT
TCAGATCCATTTCTTTCCATGGAGATCAGCATTCTTTCTAGAATCAGACAGTAGAGGGAGATGCTTCA
CAACAGAAGCGCTTGTGTTTCTGCGATTTTGATGTATATACTTTATCGAACTCATGCATTAGAACCAACA
TGCTCTCTTCCAATTCTAGACTTAGCTGATCACTGCTTCAGGGCTTAGATGCCTGCTCTTGCCTTCAA
ATTTCCCTTAAAGATATGTCCACATGTCTACTTGGCAGCCTGCTGCCACTCCAATAGGAAGCTCAGCC
TACATTCCTCCACCCCTGTTGCTCAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: EcoRI-NotI
ACCN: NM_017480
Insert Size: 603 bp



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| OTI Disclaimer: | Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP). |
| 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: | <ol style="list-style-type: none">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: | BC034852 , AAH34852 |
| RefSeq Size: | 1378 bp |
| RefSeq ORF: | 603 bp |
| Locus ID: | 54167 |
| UniProt ID: | Q9WVS0 |
| Cytogenetics: | 1 30.6 cM |
| Gene Summary: | Enhances all basic T-cell responses to a foreign antigen, namely proliferation, secretion of lymphokines, up-regulation of molecules that mediate cell-cell interaction, and effective help for antibody secretion by B-cells. Essential both for efficient interaction between T and B-cells and for normal antibody responses to T-cell dependent antigens. Does not up-regulate the production of interleukin-2, but superinduces the synthesis of interleukin-10. Prevents the apoptosis of pre-activated T-cells. Plays a critical role in CD40-mediated class switching of immunoglobulin isotypes (By similarity).[UniProtKB/Swiss-Prot Function] |