

Product datasheet for **MC202216**

Icosl (NM_015790) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Icosl (NM_015790) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Icosl
Synonyms:	AU044799; B7-H2; B7h; B7RP-1; BG071784; GI50; GL50; GL50-B; ICOS-L; Icoslg; LICOS; Ly1151
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC029227 sequence for NM_015790
 AGCGGGTCTCCTGCCCAAAGCCTCAAGAACCCAGATTTACAGCGCCCAAGCCTGGAAGCTCCCCAGT
 TCTTCGTGGCCCCAACAGCTCCGGAACCCAGCCGCTGCAACTCTCCGCGTCCGAAATCCAGCACCCCG
 CAGTCTGCGCTCGCACCATGCAGCTAAAGTGTCCCTGTTTTGTGCTCTGGGAACCAGGCAGCCTGTTT
 GAAGAAGTCCATGTTTTAGCGGGTCTTTTCTGGTCTTGGTCTGTTCTGTGCTGTTGAGCAGCCTC
 TGTGCTGCCTCTGCAGAGACTGAAGTCGGTGAATGGTGGCAGCAATGTGGTGTGCTCAGTGCATTGACC
 CCCACAGACGCCATTTCAACTTGAAGTGGTGTATGTCTATTGGCAAATCGAAAACCCAGAAGTTTCGGT
 GACTTACTACCTGCCTTACAAGTCTCCAGGGATCAATGTGGACAGTTCCCTACAAGAACAGGGGCCATCTG
 TCCTGGACTCCATGAAGCAGGGTAACCTCTCTGTACCTGAAGAATGTCACCCCTCAGGATACCCAGG
 AGTTCACATGCCGGTATTTATGAATACAGCCACAGAGTAGTCAAGATCTTGGAAAGAGTGGTCAAGCT
 GCGTGTGGCAGCAAACCTCAGTACACCTGTATCAGCACCTCTGATAGCTCCAACCCGGGCCAGGAACGT
 ACCTACACCTGCATGTCCAAGAATGGCTACCCAGAGCCCAACCTGTATTGGATCAACACAACGGACAATA
 GCCTAATAGACACGGCTCTGCAGAATAACTGTCTACTTGAACAAGTTGGGCCTGTATGATGTAATCAG
 CACATTAAGGCTCCCTTGGACATCTCGTGGGATGTTCTGTGCTGCGTAGAGAATGTGGCTCTCCACCAG
 AACATCACTAGCATTAGCCAGGCAGAAAGTTTCACTGGAATAACACAAGAACCACAGGAAACCCACA
 ATAATGAGTAAAAGTCCCTGTCCCGTCTTGTGCTGACTGGCGCAGCGGCATTGTTTTCTTCATCAT
 ATACAGACGCACGCTCCCAACCGAAGCTATACAGGACCAAGACTGTACAGCTTGAACCTACAGACCAC
 GCCTGACAGGACTCTGCCAGGATATGGACAGGGTTTCTGTGAGTTGCCACAGGTGGATGTGAGACACA
 ACTTCAGAGTGGACCCCAACAGGCTGGTACAGAGGACAACGAGCTGTCTGCTTATGGGCTGTGATGGA
 GGCCAGGAATCCCTGGCTTACGAGGCACAGAGACTTCACTCCAGAAACCCCGAGGGAGATCTCTCCAGT
 GGGCAGCAGCAACATCATCGGAATATGGAGCCTCCGGTGAAGTGTGCGCAGAGAGCAGCAGCTTGTGA
 GAAGCCTTCCCTGGCACGTTACTACTCAGGCCTAGGAGCTTTATAAAGAGCGTTTGAACCACTGTA
 AAGCCCTACAGAGTCTACTGGAGACTTTCCCTGCAGGACCTTCACTGGGAGGAAGCCTGACTTTATTT
 AGGTCTCAGGCTACTTGGCCTCTTCGAGGATATGTGGGATTTTGTCTACTGCAAAACCTGTTTCTGGCTG
 ACAATGGTTGGGCTCAGAGGCACTCAGCTTCAACAATCAATGGGACACGCTCATCCTTGAAGTCTCTGT
 GGCTACAGAAGCTTCCGAAAGCCTTGAGCTCTTTCAGACTGAACAGCTCTGCCAGTCTCAGCAGCCCA
 TGAAGATCTCAACTCCAGCTTCCGGTCTCCGTGTTGCTGGCCAGAATAGAGCTAGCTTTTTGTTTCA
 AGATGGTCTGCAAAGTTGGCTGCTTGGAAACCTAGGGATGTATGTACAAGCTCCAGGCTGATGCAGTAG
 GGGCACGGACTCCCGATGGAACACAGTATCTGACCCTAGGTGAGGGCAAGCTCCTTCCACGCAGAGG
 ACTGGAATCTGGACCGTCAAGGCCTGTCTGCTATGTGGCTGGGCTCAGTGTGATGGATGTGTGAGA
 TCTCAGGAATGAGGAGTGAACCCCTGGGCTCAGGACTAGGAAGCCTGTCCATTTTTTTTTTTTTTAA
 TGCCACATGGACTTTTTATTCTCACACCGATGTATTCAATGAGTGTAGAGAGAAGTACTTAAGTCCTT
 CCCGAGTACAAAGCATTACCTACCTGCAGAATAGCAACTGTTGTTATGGGCTTGTGAGTTGGCAGCTACAG
 CAAACAAGCACAAGGAGCAGTTGGGGTGAAGAAGATGGGGTGCAGCGCCCAAGGACAGACATTTGGG
 AATTAGTGGTCTCCCTGATGCCATAGTCCCCAGGAACCTCAGGTGGGTCTGCGGCAGCAGTAGGAGT
 ATTCCTCTACTTTAACTTTTCTGTGACAGCTAGTTTAGGTTTCAGAAAGAGGTCAACTCAGCAAGCCAG
 CTAGCCGCTTGGGGCACCAGACACTGCCCCCACCCTGCTTATGTAGGCTTGGGAACCTTCCAC
 AGACACTGGCTGTACAGTACCATCACCTGCTGATTCCAGCAGGCCCACTTCTGTGGAATCCTGG
 GAGCACTCCCCTTACCCTCACTGCCCCCACCCTGCACATCAGCATTATTAGATTTGCCCTGTA
 ACGTCTGATTCCTTTATCTGGTTGTAGATGGGGCATAGTGACTTTTAAAAACCTAACAAAGGGAATA
 AATGTAAGATGTGCTTCAA AAA

Restriction Sites: RsrII-NotI

ACCN: NM_015790

Insert Size: 969 bp

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:	BC029227 , AAH29227
RefSeq Size:	2803 bp
RefSeq ORF:	969 bp
Locus ID:	50723
UniProt ID:	Q9JHJ8
Cytogenetics:	10 C1
Gene Summary:	Ligand for the T-cell-specific cell surface receptor ICOS. Acts as a costimulatory signal for T-cell proliferation and cytokine secretion; induces also B-cell proliferation and differentiation into plasma cells. Could play an important role in mediating local tissue responses to inflammatory conditions, as well as in modulating the secondary immune response by co-stimulating memory T-cell function. During pregnancy, may function to skew the cytokine of maternal T-cells toward immunoprotective Th2 phenotype.[UniProtKB/Swiss-Prot Function]