

Product datasheet for **SC335253**

ICOS Ligand (ICOSLG) (NM_001283050) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ICOS Ligand (ICOSLG) (NM_001283050) Human Untagged Clone
Tag:	Tag Free
Symbol:	ICOSLG
Synonyms:	B7-H2; B7h; B7H2; B7RP-1; B7RP1; CD275; GL50; ICOS-L; ICOSL; LICOS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335253 representing NM_001283050. Blue=Insert sequence Red=Cloning site Green=Tag(s)

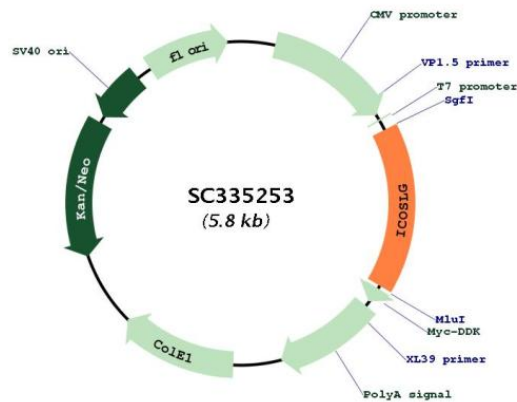
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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGCGGCTGGGCAGTCTGGACTGCTCTTCTGCTCTTCAGCAGCCTTCGAGCTGATACTCAGGAGAAG
GAAGTCAGAGCGATGGTAGGCAGCGACGTGGAGCTCAGCTGCGCTTGCCCTGAAGGAAGCCGTTTTGAT
TAAATGATGTTTACGTATATTGGCAAACAGTGAGTCGAAAACCGTGGTGACCTACCACATCCCACAG
AACAGCTCCTTGGAAAACGTGGACAGCCGCTACCGGAACCGAGCCCTGATGTCACCGGCCGGCATGCTG
CGGGCGACTTCTCCCTGCGCTTGTTCAACGTACCCCCCAGGACGAGCAGAAGTTTCACTGCCTGGTG
TTGAGCCAATCCCTGGGATTCCAGGAGTTTTGAGCGTTGAGGTTACACTGCATGTGGCAGCAAACCTTC
AGCGTGCCCGTCGTGAGCGCCCCCACAGCCCCCTCCAGGATGAGCTCACCTTCAGTGTACATCCATA
AACGGCTACCCCAGGCCAACGTGTACTGGATCAATAAGACGGACAACAGCCTGCTGGACCAGGCTCTG
CAGAATGACACCGTCTTCTTGAACATGCGGGGCTTGATGACGTGGTCAGCGTGTGAGGATCGCACGG
ACCCCCAGCGTGAACATTGGCTGCTGCATAGAGAACGTGCTTCTGCAGCAGAACCTGACTGTCGGCAGC
CAGACAGGAAATGACATCGGAGAGAGACAAGATCACAGAGAATCCAGTCAGTACCGGCCAGAAAAAC
GCGGCCAGTGGAGCATCCTGGCTGTCTGTGCCTGCTTGTGGTCGTGGCGGTGGCCATAGGCTGGGTG
TGCAGGGACCGATGCCTCCAACACAGCTATGCAGGTGCCTGGGCTGTGAGTCCGGAGACAGAGCTCACT
GAATCCTGGAACCTGCTCCTTCTGCTCTGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:



ACCN: NM_001283050

Insert Size: 930 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:

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: [NM_001283050.1](#)

RefSeq Size: 1188 bp

RefSeq ORF: 930 bp

Locus ID: 23308

UniProt ID: [O75144](#)

Cytogenetics: 21q22.3

Protein Families:	Transmembrane
Protein Pathways:	Cell adhesion molecules (CAMs)
MW:	34.2 kDa
Gene Summary:	<p>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 (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate 3' terminal exon and it thus differs in the 3' coding region and 3' UTR, compared to variant 1. The encoded isoform (b) has a distinct and longer C-terminus, compared to isoform a.</p>