

Product datasheet for **SC334541**

ICOS Ligand (ICOSLG) (NM_001283052) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ICOS Ligand (ICOSLG) (NM_001283052) 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:	>NCBI ORF sequence for NM_001283052, the custom clone sequence may differ by one or more nucleotides

```
ATGTCACCGCCGGCATGCTGCGGGGCGACTTCTCCCTGCGCTTGTTC AACGTCACCCCCAGGACGAGC  
AGAAGTTTCACTGCCTGGTGTGAGCCAATCCCTGGGATTCCAGGAGTTTTGAGCGTTGAGTTACACT  
GCATGTGGCAGCAAACCTCAGCGTGCCCGTCGTCAGCGCCCCACAGCCCCTCCAGGATGAGCTCACC  
TTCACGTGTACATCCATAAACGGCTACCCAGGCCAACGTGTACTGGATCAATAAGACGGACAACAGCC  
TGCTGGACCAGGCTCTGCAGAAATGACACCGTCTTCTTGAACATGCGGGGCTTGTATGACGTGGTCAGCGT  
GCTGAGGATCGCACGGACCCCCAGCGTGAACATTGGCTGCTGCATAGAGAACGTGCTTCTGCAGCAGAAC  
CTGACTGTCGGCAGCCAGACAGGAAATGACATCGGAGAGAGACAAGATCACAGAGAATCCAGTCAGTA  
CCGGCGAGAAAAACGCGGCCACGTGGAGCATCCTGGCTGTCTGTGCCTGCTTGTGGTCGTGGCGGTGGC  
CATAGGCTGGGTGTGCAGGGACCGATGCCTCCAACACAGCTATGCAGGTGCTGGCTGTGAGTCCGGAG  
ACAGAGCTCACTGGCCACGTTTGA
```

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001283052
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).



[View online »](#)

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_001283052.1](#), [NP_001269981.1](#)

RefSeq Size: 3168 bp

RefSeq ORF: 654 bp

Locus ID: 23308

Cytogenetics: 21q22.3

Protein Families: Transmembrane

Protein Pathways: Cell adhesion molecules (CAMs)

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 (By similarity).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (4) uses an alternate splice site in the 5' region, resulting in translation initiation at a downstream in-frame start codon, compared to variant 1. The encoded isoform (d) is shorter at the N-terminus, compared to isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.