

Product datasheet for **RC236647**

ICOS Ligand (ICOSLG) (NM_001283052) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ICOS Ligand (ICOSLG) (NM_001283052) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: ICOSLG
Synonyms: B7-H2; B7h; B7H2; B7RP-1; B7RP1; CD275; GL50; ICOS-L; ICOSL; LICOS
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC236647 representing NM_001283052
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTCACCGCCGGCATGCTGCGGGCGACTTCTCCCTGCGCTTGTTCAACGTCACCCCCAGGACGAGC
AGAAGTTTCACTGCCTGGTGTGAGCCAATCCCTGGGATTCAGGAGTTTTGAGCGTTGAGTTACT
GCATGTGGCAGCAAACCTCAGCGTGCCCGTCGTCAGCGCCCCACAGCCCTCCAGGATGAGCTCACC
TTCACGTGTACATCCATAAACGGCTACCCAGGCCAACGTGACTGGATCAATAAGACGGACAACAGCC
TGCTGGACCAGGCTCTGCAGAATGACACCGTCTTCTTGAACATGCGGGGCTTGATGACGTGGTCAGCGT
GCTGAGGATCGCACGGACCCCCAGCGTGAACATTGGCTGCTGCATAGAGAACGTGCTTCTGCAGCAGAAC
CTGACTGTCGGCAGCCAGACAGGAAATGACATCGGAGAGAGACAAGATCACAGAGAATCCAGTCAGTA
CCGGCGAGAAAACCGGCCACGTGGAGCATCCTGGCTGTCTGTGCCTGCTTGTGGTCTGGCGGTGGC
CATAGGCTGGGTGTGCAGGGACCGATGCCTCCAACACAGCTATGCAGGTGCTGGGCTGTGAGTCCGGAG
ACAGAGCTCACTGGCCAGTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RC236647 representing NM_001283052
 Red=Cloning site Green=Tags(s)

MSPAGMLRGDFSLRLFNVTPQDEQKFHCLVLSQSLGFQEVLSVEVTLHVAANFVSPVVSAPHSPSQDEL
 FTCTSINGYPRPNVYWINKTDNSLLDQALQNDTVFLNMRGLYDVVSVLRIARTPSVNI GCCIENVLLQQN
 LTVGSQTGNDIGERDKITENPVSTGEKNAATWSILAVLCLLVVAVAIGWVCRDRCLQHSYAGAWAVSPE
 TELTGHV

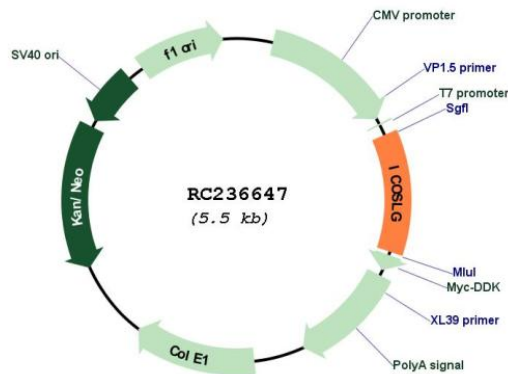
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001283052

ORF Size: 651 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_001283052.2
RefSeq Size:	3168 bp
RefSeq ORF:	654 bp
Locus ID:	23308
Cytogenetics:	21q22.3
Protein Families:	Transmembrane
Protein Pathways:	Cell adhesion molecules (CAMs)
MW:	24.2 kDa
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]