

# Active Recombinant Human ICOSLG, Fc-tagged, Biotinylated

Cat. No. ICOSLG-541H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	The recombinant human B7-H2/ICOSL/CD275-Fc fusion protein is expressed as a 466 amino acid protein consisting of Asp19 - Thr256 region of B7-H2 (UniProt accession #O75144) and a C-terminal Fc fusion from human IgG1, which exists as a dimer under non-reducing condition.
<b>Species</b>	Human
<b>Source</b>	Human Cells
<b>ProteinLength</b>	19-256 a.a.
<b>Form</b>	Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier free). The purified recombinant protein was labeled with Biotin (3-5 Biotin per molecule).
<b>Bio-activity</b>	Binds human ICOS and stimulates human T cell proliferation in the presence of anti-CD3.
<b>Molecular Mass</b>	Calculated molecular mass 52 kDa; estimated by SDS-PAGE under reducing condition ~75 kDa probably due to glycosylation.
<b>AA Sequence</b>	DTQEKEVRAMVGSDELSCACPEGSRFDLNDVYVYWQTSESKTVVTYHIPQNSSLE NVDSRYRNRALMSPAGMLR GDFSLRFLNVTPQDEQKFHCLVLSQSLGFQEVLSVE VTLHVAANFSPVVSAPHSPSQDELFTCTTSINGYPRP NVYWINKTDNSLLDQALQN DTVFLNMRGLYDVVSVLRIARTPSVNIGCCIEVLLQQNLTVGSQTGNDIGERDK ITE NPVSTGEKNAATSTGHTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVV

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DVSHEDPEVKFNWY VDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKE  
 YKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPSREEMTKNQVSLTCLVKGFYPS  
 DIAVEWESNGQPENNYKTTPVLDSDGSFFLYSKLTVDKSRWQQGNVFCSSVMHE  
 ALHNHYTQKSLSLSPGK

**Endotoxin** <0.1 eu per 1 µg of purified recombinant protein determined by the

**Purity** >95% judged by SDS-PAGE under reducing condition

**Storage** The product is shipped at 4°C. Upon receipt, centrifuge the product briefly before opening the vial. It is recommended to store small aliquots at the temperature below -20°C for long-term storage and the product is stable for 3 months. The undiluted protein can be stored at 4°C for no more than 2 weeks. Avoid repeated freeze-thaw cycles.

**Conjugation** Biotin

## GENE INFORMATION

**Gene Name** [ICOSLG inducible T-cell co-stimulator ligand \[ Homo sapiens \]](#)

**Official Symbol** ICOSLG

**Synonyms** ICOSLG; inducible T-cell co-stimulator ligand; ICOSL; ICOS ligand; B7 homolog 2; B7 homologue 2; B7 H2; B7 related protein 1; B7H2; B7RP 1; B7RP1; CD275; GL50; ICOS L; KIAA0653; B7-like protein GI50; B7-related protein 1; transmembrane protein B7-H2 ICOS ligand; B7-H2; LICOS; B7RP-1; ICOS-L;

**Gene ID** [23308](#)

**mRNA Refseq** [NM\\_015259](#)

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<b>Protein Refseq</b>	NP_056074
<b>MIM</b>	605717
<b>UniProt ID</b>	O75144
<b>Chromosome Location</b>	21q22.3
<b>Pathway</b>	Adaptive Immune System, organism-specific biosystem; Cell adhesion molecules (CAMs), organism-specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem; Costimulation by the CD28 family, organism-specific biosystem; Immune System, organism-specific biosystem; Intestinal immune network for IgA production, organism-specific biosystem; Intestinal immune network for IgA production, conserved biosystem;
<b>Function</b>	receptor binding;

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