

Active Recombinant Human ICOSLG, Fc-tagged, Biotinylated

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	Human Cells
ProteinLength	19-256 a.a.
Form	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).
Bio-activity	Binds human ICOS and stimulates human T cell proliferation in the presence of anti-CD3.
Molecular Mass	Calculated molecular mass 52 kDa; estimated by SDS-PAGE under reducing condition ~75 kDa probably due to glycosylation.
AA Sequence	DTQEKEVRAMVGSDVELSCACPEGSRFDLNDVYVYWQTSESKTVVTYHIPQNSSLE NVDSRYRNRALMSPAGMLR GDFSLRLFNVTQDEQKFHCLVLSQSLGFQEVLSVE VTLHVAANFSPVVSAPHSPSQDELFTCTTSINGYPRP NVYWINKTDNSLLDQALQN DTVFLNMRGLYDVVSVLRIARTPSVNIGCCIENTVLLQQNLTVGSQTGNDIGERDK ITE NPVSTGEKNAATSTGTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVV

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

DVSHEDPEVKFNWY VDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKE
YKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPSREEMTKNQVSLTCLVKGFYPS
DIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFCSSVMHE
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 GL50; 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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Protein Refseq	NP_056074
MIM	605717
UniProt ID	O75144
Chromosome Location	21q22.3
Pathway	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;
Function	receptor binding;

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