

## Active Recombinant Human ICOSLG, Fc-tagged

Cat. No. ICOSLG-179H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	The extracellular domain of human CD275 [B7-H2] (aa 1-256) is fused to the N-terminus of the Fc region of human IgG1.
<b>Species</b>	Human
<b>Source</b>	CHO
<b>ProteinLength</b>	1-256 a.a.
<b>Description</b>	<p>Human B7-H2 is a member of the growing B7 family of immune costimulatory proteins. Other family members include B7-1, B7-2, B7-H1 (PD-L1), PD-L2 and B7-H3. B7 proteins are members of the immunoglobulin (Ig) superfamily, the extracellular domains contain 2 Ig-like domains and all members have short cytoplasmic domains. B7-H2 has been identified as the ligand for ICOS, a member of the CD28 family of costimulatory receptors. Human B7-H2 is expressed constitutively on resting B cells, dendritic cells and at low levels on monocytes. The B7-H2/ICOS interaction appears to play roles in T cell dependent B cell activation and Th differentiation.</p>
<b>Form</b>	Lyophilized from 0.2µm-filtered solution in PBS.
<b>Bio-activity</b>	Measured by its ability to stimulate human T cell proliferation in the presence of anti-CD3.
<b>Purity</b>	≥98% (SDS-PAGE)

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**Stability** Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.

**Storage** Short Term Storage: +4°C; Long Term Storage: -20°C. Avoid freeze/thaw cycles.

## 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](#)

**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

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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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