

Active Recombinant Human ICOSLG, His-tagged, Biotinylated

Cat. No. ICOSLG-539H Lot. No. (See product label)

SPECIFICATION

Product Overview	The recombinant human B7-H2/ICOSL/CD275 ECD is expressed as a 249 amino acid protein consisting of Asp19 - Thr256 region of B7-H2 (UniProt accession #O75144) and a C-terminal His-tag. It contains 6 potential sites for N-linked glycosylation.
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 27.8 kDa; estimated by SDS-PAGE under reducing condition 50-60 kDa probably due to glycosylation.
AA Sequence	DTQEKEVRAMVGSDELSCACPEGSRFDLNDVYVYWQTSESKTVVITYHIPQNSSLE NVDSRYRNRALMSPAGMLR GDFSLRFLFNVTPQDEQKFHCLVLSQSLGFEVLSVE VTLHVAANFSPVVSAPHSPSQDELFTCTTSINGYPRP NVYWINKTDNSLLDQALQN DTVFLNMRGLYDVVSVLRIARTPSVNIGCCIEENVLLQQNLTVGSQTGNDIGERDK ITE NPVSTGEKNAATSTGHHHHHHHH

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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
Protein Refseq	NP_056074
MIM	605717

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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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