

Active Recombinant Human ICOSLG, MlgG2a Fc-tagged


Cat. No. ICOSLG-1213H Lot. No. (See product label)

SPECIFICATION

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|-------------------------|---|
| Product Overview | The extracellular domain of human CD275[B7-H2] (NP_056074.1) (Met1-Thr256) is fused to the N-terminus of the Fc region of mouse IgG2a. |
| Species | Human |
| Source | CHO |
| ProteinLength | 1-256 a.a. |
| Description | ICOSLG (inducible T-cell co-stimulator ligand) is a protein-coding gene. Diseases associated with ICOSLG include inclusion body myositis, and myositis, and among its related super-pathways are Immune System and Immune response ICOS pathway in T-helper cell. GO annotations related to this gene include receptor binding. |
| Form | Lyophilized from 0.2µm-filtered solution in PBS. |
| Bio-activity | Measured by its ability to stimulate human T cell proliferation in the presence of anti-CD3. |
| Molecular Mass | 52 KDa (monomer) |
| AA Sequence | Met1-Thr256 |
| Endotoxin | <0.06 eu/µg="" as="" determined="" by="" lal="" test.=""> |

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|-----------------------|---|
| Purity | >98%, by SDS-PAGE under reducing conditions. |
| 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. |
| Reconstitution | Reconstitute at 100µg/ml in sterile PBS. |
| Warning | Avoid freeze/thaw cycles. |

GENE INFORMATION


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|------------------------|--|
| 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 | 21q22.3 |

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| | |
|-----------------|---|
| Location | |
| 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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