

## Active Recombinant Mouse Icosl protein(Met1-Lys279), His&hFc-tagged

**Cat. No.** Icosl-594M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                             |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse B7-H2 (NP_056605.1) extracellular domain (Met 1-Lys 279) was expressed in HEK293, fused with the C-terminal polyhistidine-tagged Fc region of Human IgG1 at the C-terminus.                                                                                                                               |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | Met1-Lys279                                                                                                                                                                                                                                                                                                                 |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.                                                                                                                                                                              |
| <b>Bio-activity</b>     | Immobilized Recombinant Mouse ICOS / AILIM / CD278 Protein (Fc Tag) at 2 µg/ml (100 µl/well) can bind Recombinant Mouse ICOS Ligand / B7-H2 / ICOSLG Protein (His & Fc Tag), The EC50 is 25-80 ng/mL.                                                                                                                       |
| <b>Molecular Mass</b>   | The secreted recombinant mouse B7-H2/Fc is a disulfide-linked homodimer after removal of the signal peptide. The reduced monomer comprises 481 amino acids with a predicted molecular mass of 54.3 kDa. As a result of glycosylation, it migrates as an approximately 75-85 kDa band in SDS-PAGE under reducing conditions. |
| <b>Endotoxin</b>        | < 1.0 EU per µg of the protein as determined by the LAL method.                                                                                                                                                                                                                                                             |

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

|                       |                                                                                                                                                                                                                                                 |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>         | > 95 % as determined by SDS-PAGE                                                                                                                                                                                                                |
| <b>Storage</b>        | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| <b>Reconstitution</b> | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.                                                                   |

## GENE INFORMATION

|                        |                                                                                                                                                                                                            |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | Icosl icos ligand [ <i>Mus musculus</i> ]                                                                                                                                                                  |
| <b>Official Symbol</b> | Icosl                                                                                                                                                                                                      |
| <b>Synonyms</b>        | ICOSL; icos ligand; ICOS ligand; B7 homolog 2; B7-like protein GI50; B7-related protein 1; B7h; GI50; GL50; B7-H2; LICOS; B7RP-1; GL50-B; ICOS-L; Icoslg; Ly115l; AU044799; BG071784; mKIAA0653; KIAA0653; |
| <b>Gene ID</b>         | 50723                                                                                                                                                                                                      |
| <b>mRNA Refseq</b>     | NM_015790                                                                                                                                                                                                  |
| <b>Protein Refseq</b>  | NP_056605                                                                                                                                                                                                  |

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