

## 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.

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<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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