

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

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

SPECIFICATION

Product Overview	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.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Lys279
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	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.
Molecular Mass	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.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.

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Purity	> 95 % as determined by SDS-PAGE
Storage	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.
Reconstitution	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

Gene Name	Icosl icos ligand [<i>Mus musculus</i>]
Official Symbol	Icosl
Synonyms	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;
Gene ID	50723
mRNA Refseq	NM_015790
Protein Refseq	NP_056605

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