

MOUSE B7-H2 PROTEIN, HFC TAG

Cat.#: 12171

Product Name: Mouse B7-H2 Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: ICOSLG;B7H2;B7RP-1;B7RP1;CD275;GL50;ICOS-L;ICOSL;LICOS;ICOS ligand

Target: B7-H2

UNIPROT ID: Q9JHJ8

Description: Recombinant mouse B7-H2 protein with C-terminal human Fc tag

Background: Ligand for the T-cell-specific cell surface receptor ICOS. Acts as a costimulatory signal for T-cell proliferation and cytokine secretion; induces also B-cell proliferation and differentiation into plasma cells. Could play an important role in mediating local tissue responses to inflammatory conditions, as well as in modulating the secondary immune response by co-stimulating memory T-cell function (By similarity).[UniProtKB/Swiss-Prot Function]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 52.4 kDa after removal of the signal peptide. The apparent molecular mass of mB7-H2-hFc is approximately 55-70 kDa due to glycosylation.

Molecular Characterization: Mouse B7-H2(Glu47-Lys279) hFc(Glu99-Ala330)

Purity: The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

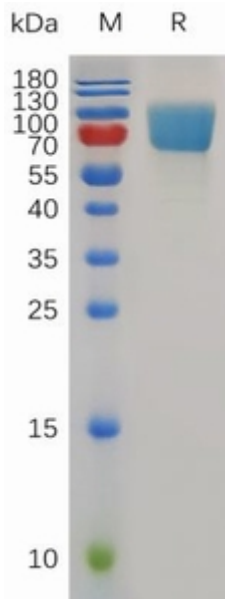


Figure 1. Mouse B7-H2 Protein, hFc Tag on SDS-PAGE under reducing condition.