PRODUCT INFORMATION

Target	B7-H2
Synonyms	ICOSLG;B7H2;B7RP-1;B7RP1;CD275;GL50;ICOS-L;ICOSL;LICOS;ICOS ligand
Description	Recombinant mouse B7-H2 protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	Q9JHJ8
Expression Host	HEK293
Tag	C-Human Fc Tag
Molecular Characterization	Mouse B7-H2(Glu47-Lys279) hFc(Glu99-Ala330)
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.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
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.
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]
Usage	Research use only
Conjugate	Unconjugated

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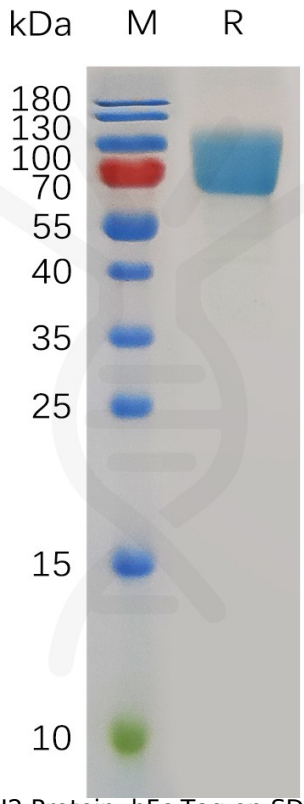


Figure 1. Mouse B7-H2 Protein, hFc Tag on SDS-PAGE under reducing condition.

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