

B7-H2/ICOSLG Protein, Mouse (HEK293, His-Fc)

Cat. No.:	HY-P73119
Synonyms:	ICOS ligand; B7-H2; ICOSLG; LICOS; B7RP-1; CD275
Species:	Mouse
Source:	HEK293
Accession:	Q9JHJ8 (E47-K279)
Gene ID:	50723
Molecular Weight:	75-85 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μ m filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	B7-H2/ICOSLG, a ligand for the T-cell-specific surface receptor ICOS, serves as a crucial mediator of immune responses. This protein functions as a costimulatory signal, promoting T-cell proliferation and cytokine secretion while also inducing B-cell proliferation and differentiation into plasma cells. Beyond its role in immune activation, B7-H2/ICOSLG may play a pivotal role in mediating local tissue responses during inflammatory conditions. Furthermore, it contributes to the modulation of the secondary immune response by co-stimulating memory T-cell function. Notably, during pregnancy, B7-H2/ICOSLG may influence the cytokine profile of maternal T-cells, favoring an immunoprotective Th2 phenotype. Additionally, the interaction of B7-H2/ICOSLG with CTLA4 has been observed in vitro, highlighting its involvement in intricate regulatory pathways of immune function.
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Caution: Product has not been fully validated for medical applications. For research use only.

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