

## B7-H2/ICOSLG Protein, Rat (HEK293, Fc)

Cat. No.:	HY-P75487
Synonyms:	ICOS ligand; B7-H2; ICOSLG; LICOS; B7RP-1; CD275
Species:	Rat
Source:	HEK293
Accession:	XP_006223893 (M1-K261)
Gene ID:	499415
Molecular Weight:	Approximately 53.6 kDa

### PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 $\mu$ 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/ $\mu$ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 $\mu$ g/mL in ddH <sub>2</sub> 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 protein serves as a ligand for the T-cell-specific cell surface receptor ICOS, functioning as a critical costimulatory signal for T-cell proliferation and cytokine secretion. Additionally, it induces B-cell proliferation and facilitates their differentiation into plasma cells. This protein is poised to play a significant 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. In molecular interactions, B7-H2/ICOSLG has been shown to interact with CTLA4 in vitro.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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