Product Name: Recombinant Mouse B7-H2 (C-6His)
Catalog #: PHM0822

Summary

Name	ICOS Ligand/B7-H2/CD275/Inducible Co-Stimulator Ligand/Icoslg
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Mouse ICOS Ligand is produced by our Mammalian expression system and the target gene encoding Glu47-Lys279 is expressed with a 6His tag at the C-terminus.
Accession #	Q9JHJ8
Host	Human Cells
Species	Mouse
Predicted Molecular Mass	27.1 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image

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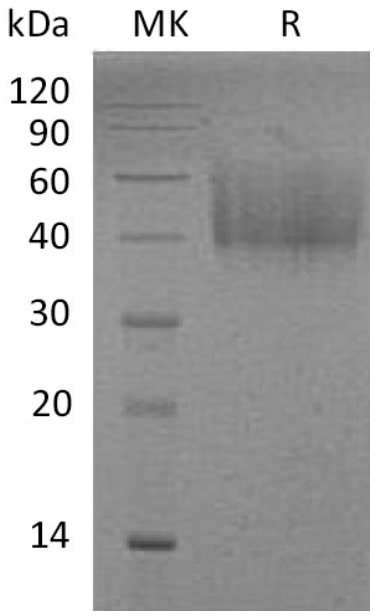

Alternative Names

B7 homolog 2; B7-H2;B7-like protein Gl50; B7RP-1LICOS; CD275; CD275 antigen; ICOS ligand; ICOSL; ICOS-L;inducible T-cell co-stimulator ligand; B7RP-1; CD275; GL50; ICOSL; ICOSLG; B7H2;B7RP1

Background

Mouse ICOS ligand(B7-H2) is an approximately transmembrane glycoprotein in the B7 family of immune regulatory molecules. B7-H2 is expressed on antigen presenting cells such as B cells, macrophages, monocytes, and dendritic cells. It binds to ICOS on activated T cells, leading to both positive and negative effects on immune responses including its own down-regulation. The B7-H2 interaction with ICOS is costimulatory for T cell proliferation as well as the development of B cells, plasma cells, follicular helper T cells and germinal centers. B7-H2 contributes to the development of allergic asthma by enhancing Th2 biased immune responses, limiting Th17 responses, and promoting eosinophilic infiltration into the lung. Its activation of ICOS on Treg limits pulmonary inflammation and airway hyperresponsiveness, promotes the development of inhalational tolerance, and impairs antitumor immunity. In the thyroid, B7-H2 is up-regulated on thyrocytes during inflammation and promotes their proliferation and production of thryoid hormones.

Note

For Research Use Only , Not for Diagnostic Use.