

Recombinant Human B7-H2/ICOSLG/CD275 Protein

Catalog No.: RP00385

Sequence Information

Species **Gene ID**
Human 23308

Swiss Prot **Tags**
O75144 N-hFC

Synonyms

ICOSLG,B7-H2,B7H2,B7RP-1,
B7RP1,CD275,GL50,ICOS-L,ICOSL,
LICOS

Product Information

Source **Purification**
HEK293 cells ≥ 95 % as
determined by
SDS-PAGE.

Calculated MW **Observed MW**
52.37 kDa 70-100 kDa

Endotoxin

< 0.01 EU/μg of the protein by LAL
method

Formulation

Lyophilized from a 0.2 μm filtered
solution of PBS,pH7.4.

Reconstitution

Reconstitute to a concentration of
0.1-0.5 mg/mL in sterile distilled
water.

Background

Inducible co-stimulator ligand (ICOSL) is a member of the B7 family of co-stimulatory molecules related to B7-1 and B7-2. It is a transmembrane glycoprotein with extracellular IgV and IgC domains and binds to ICOS on activated T cells, thus delivers a positive costimulatory signal for optimal T cell function. The structural features of ICOSL are crucial for its costimulatory function. The present study shows that ICOSL displays a marked oligomerization potential, resembling more like B7-1 than B7-2. B7-H2-dependent signaling may play an active role in a proliferative response rather than in cytokine and chemokine production. The CD28/B7 and ICOS/B7-H2 pathways are both critical for costimulating T cell immune responses. Deficiency in either pathway results in defective T cell activation, cytokine production, and germinal center formation.

Basic Information

Description

Recombinant Human B7-H2/ICOSLG/CD275 Protein is produced by Human Cell expression system. The target protein is expressed with sequence (Asp19-Ser258) of human ICOSLG/B7-H2/CD275 (Accession #O75144) fused with a 6×His tag at the C-terminus.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

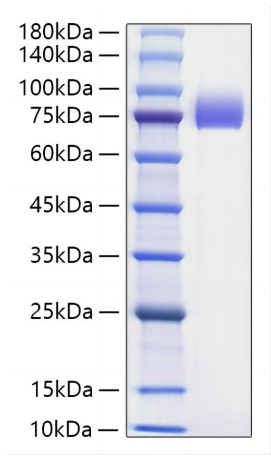
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Validation Data



Recombinant Human B7-H2/ICOSLG/CD275 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.