

# Human ICOS Ligand/B7-H2 (His Tag) recombinant protein



Catalog Number: 504024

## General Information

### Gene Name Synonym

B7 homolog 2; B7-like protein G150; B7-related protein 1

### Protein Construction

A DNA sequence encoding the human ICOSLG (NP\_056074.1) extracellular domain (Met 1-Ser 258) was fused with a polyhistidine tag at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA. Immobilized human B7-H2 at 1 µg/ml (100 µl/well) can bind human ICOS with a linear range of 1.6-200 ng/ml.

### Purity

> 98 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Asp 19

## Molecular Mass

The secreted recombinant human ICOSLG consists of 251 amino acids and has a calculated molecular mass of 28 kDa. The apparent molecular mass of the protein is approximately 50-60 kDa in SDS-PAGE under reducing conditions as predicted.

## Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

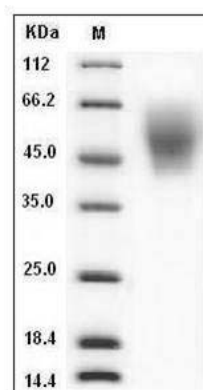
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



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