



[Go to Product page](#)

Datasheet for ABIN2181242

ICOSLG Protein (AA 19-258) (His tag)

2 Images

Overview

Quantity:	200 µg
Target:	ICOSLG
Protein Characteristics:	AA 19-258
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This ICOSLG protein is labelled with His tag.

Product Details

Sequence:	AA 19-258
Characteristics:	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 27.5 kDa. The protein migrates as 35-60 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Purity:	>95 % as determined by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	ICOSLG
---------	--------

Target Details

Alternative Name: B7-H2 ([ICOSLG Products](#))

Background: ICOS ligand (ICOSLG) is also known as B7 homolog 2 (B7-H2), B7-related protein 1 (B7RP-1) and CD antigen CD275, which belongs to the immunoglobulin superfamily and BTN/MOG family. ICOSLG contains one Ig-like C2-type (immunoglobulin-like) domain and one Ig-like V-type (immunoglobulin-like) domain. Isoform 1 is widely expressed, while isoform 2 is detected only in lymph nodes, leukocytes and spleen. B7-H2 is ligand for the T-cell-specific cell surface receptor ICOS. B7-H2 acts as a costimulatory signal for T-cell proliferation and cytokine secretion and induces also B-cell proliferation and differentiation into plasma cells. B7-H2 could play an important 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.

Molecular Weight: 27.8 kDa

NCBI Accession: [NP_056074](#)

Pathways: [Production of Molecular Mediator of Immune Response, Activated T Cell Proliferation](#)

Application Details

Restrictions: For Research Use only

Handling

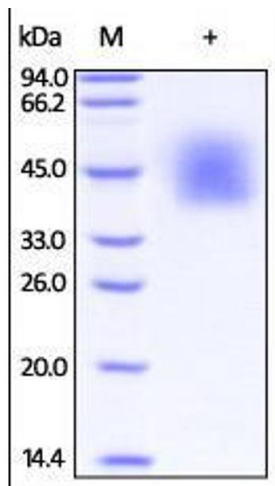
Format: Lyophilized

Buffer: PBS, pH 7.4

Handling Advice: Please avoid repeated freeze-thaw cycles.

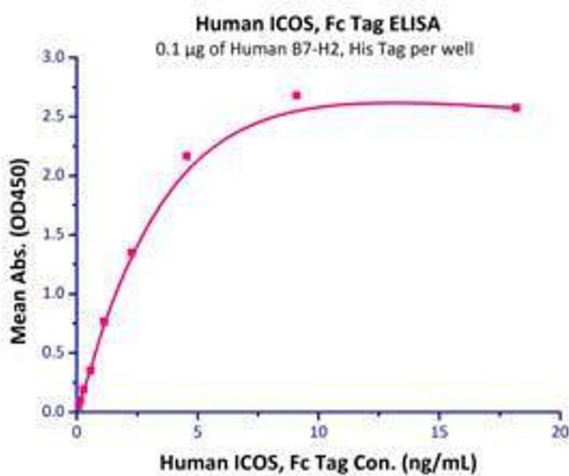
Storage: -20 °C

Storage Comment: No activity loss was observed after storage at: In lyophilized state for 1 year (4 °C), After reconstitution under sterile conditions for 3 months (-70 °C).



SDS-PAGE

Image 1. Human B7-H2, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.



Binding Studies

Image 2. Immobilized Human B7-H2, His Tag (Cat# B72-H5221) at 1µg/mL (100 µl/well), can bind Human ICOS, Fc Tag (Cat# ICS-H5250) with a linear of 0.07-2.3 ng/mL.