

Datasheet for ABIN1096074

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



[Go to Product page](#)

### Overview

Quantity:	50 µg
Target:	ICOSLG
Protein Characteristics:	AA 19-258
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ICOSLG protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human B7-H2/ICOSLG/CD275 (C-6His)
Sequence:	DTQEKEVRAM VGSDVELSCA CPEGSRFDLN DVYVYWQTSE SKTVVTYHIP QNSSLENVDS RYYNRALMSP AGMLRGDFSL RLFNVTPQDE QKFHCLVLSQ SLGFQEVLSV EVTLHVAANF SVPVVSAPHS PSQDELTFCT TSINGYPRPN VYWINKTDNS LLDQALQNDT VFLNMRGLYD VVSVLRIART PSVNIGCCIE NVLLQQNLTV GSQTGNDIGE RDKITENPVS TGEKNAATWS VDHHHHHHH
Characteristics:	Recombinant Human Inducible Co-Stimulator Ligand/ICOSLG produced by transfected human cells is a secreted protein with sequence (Asp19-Ser258) of Human ICOSLG fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

## Target Details

Target:	ICOSLG
Alternative Name:	b7-h2 ( <a href="#">ICOSLG Products</a> )
Sub Type:	Fusionprotein
Background:	<p>Inducible Co-Stimulator Ligand (ICOSLG) belongs to the immunoglobulin superfamily. ICOSLG contains Ig-like C2-type (immunoglobulin-like) domain and 1 Ig-like V-type (immunoglobulin-like) domain. ICOSLG acts as a costimulatory signal for T-cell proliferation and cytokine secretion, it also induces B-cell proliferation and differentiation into plasma cells. It 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. ICOSLG is widely expressed lymph nodes, leukocytes and spleen, detected on activated monocytes and dendritic cells.</p> <p>Alternative Names: ICOS Ligand, B7 Homolog 2, B7-H2, B7-Like Protein GI50, B7-Related Protein 1, B7RP-1, CD275, ICOSLG, B7H2, B7RP1, ICOSL, KIAA0653</p>
Molecular Weight:	27.72 kDa
UniProt:	<a href="#">O75144</a>
Pathways:	<a href="#">Production of Molecular Mediator of Immune Response, Activated T Cell Proliferation</a>

## Application Details

Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH2O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	<p>Lyophilized protein should be stored at &lt; -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at &lt; -20°C for 3 months.</p>

## Handling

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Expiry Date: 3 months