# Recombinant Human ICOS Ligand/ICOSL Protein (His Tag)

**Catalog No.** PKSH033645

***Note:*** Centrifuge before opening to ensure complete recovery of vial contents.

## Description

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|---|---|
| **Synonyms** | ICOS Ligand;B7 Homolog 2;B7-H2;B7-Like Protein Gl50;B7-Related Protein 1;B7RP-1;CD275;ICOSLG;B7H2;B7RP1;ICOSL;KIAA0653 |
| **Species** | Human |
| **Expression Host** | HEK293 Cells |
| **Sequence** | Asp19-Ser258 |
| **Accession** | O75144 |
| **Calculated Molecular Weight** | 27.7 kDa |
| **Observed molecular weight** | 40-70 kDa |
| **Tag** | C-His |
| **Bioactivity** | Not validated for activity |

## Properties

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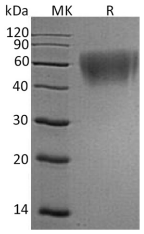
|---|---|
| **Purity** | > 95 % as determined by reducing SDS-PAGE. |
| **Endotoxin** | < 1.0 EU per μg of the protein as determined by the LAL method. |
| **Storage** | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months. |
| **Shipping** | This product is provided as lyophilized powder which is shipped with ice packs. |
| **Formulation** | Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, 1mM EDTA, pH 7.2.<br>Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.<br>Please refer to the specific buffer information in the printed manual. |
| **Reconstitution** | Please refer to the printed manual for detailed information. |

## Data




> 95 % as determined by reducing SDS-PAGE.

## Background

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.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