

# Human CellExp™ ICOSLG /B7-H2 /CD275, human recombinant

**CATALOG #:** 7426-20 20 µg  
7426-100 100 µg

**ALTERNATE NAMES:** ICOSLG, B7-H2, B7H2, B7RP-1, B7RP1, CD275, GL50, ICOS-L, ICOSL, LICOS, ICOS ligand.

**SOURCE:** HEK 293 cells (Asp 19 – Ser 258)

**PURITY:** ≥ 95% by SDS-PAGE gel

**MOL. WEIGHT:** This protein is fused with 6xHis tag at the C-terminus, has a calculated MW of 27.5 kDa. The predicted N-terminus is Asp 19. DTT-reduced Protein migrates as 45-50 kDa due to glycosylation.

**ENDOTOXIN LEVEL:** <1 EU/µg by LAL method

**FORM:** Lyophilized

**FORMULATION:** Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally Mannitol or Trehalose is added as protectants before lyophilization.

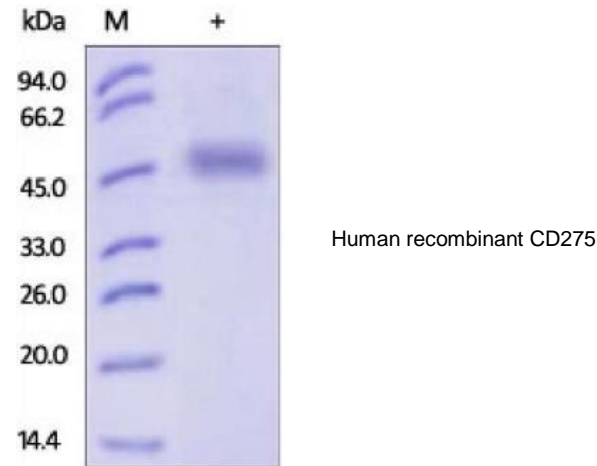
**STORAGE CONDITIONS:** Store at -20°C. After reconstitution, aliquot and store at -20°C and use within 3 months. Avoid repeated freezing and thawing cycles.

**RECONSTITUTION:** Centrifuge the vial prior to opening. Reconstitute in sterile PBS, pH 7.4 to a concentration of 50 µg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 month. For extended storage, it is recommended to store at -20°C.

**DESCRIPTION:** 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.

**BIOLOGICAL ACTIVITY:** Measured by its binding ability in a functional ELISA. Immobilized human ICOSLG / B7H2 at 1 µg/ml (100 µl/well) can bind human ICOS with a linear range of 3.2 - 400 ng/ml.



**RELATED PRODUCTS:**

- Human CellExp<sup>®</sup> Human Recombinant IL-2 (Cat # 6461-10, -50)
- IL-2 Receptor α, Human Recombinant (Cat # 7100-10, -50)
- Human CellExp<sup>™</sup> CD223, human recombinant (Cat. No. 7278-10, -50)
- Human CellExp<sup>™</sup> CD71, human recombinant (Cat. No. 7279-10, -50)
- Human CellExp<sup>™</sup> CD273, human recombinant (Cat. No. 7369-10, -50)
- Human CellExp<sup>™</sup> CD33, human recombinant (Cat. No. 7370-10, -50)
- Human CellExp<sup>™</sup> CD36, human recombinant (Cat. No. 7371-10, -50)
- Human CellExp<sup>™</sup> CD87, human recombinant (Cat. No. 7372-20, -100)
- Human CellExp<sup>™</sup> CD360, human recombinant (Cat. No. 7373-20, -100)
- Human CellExp<sup>™</sup> CD244, human recombinant (Cat. No. 7374-10, -50)
- Human CellExp<sup>™</sup> CD304, human recombinant (Cat. No. 7375-10)
- Human CellExp<sup>™</sup> CD319, human recombinant (Cat. No. 7376-10, -50)
- Human CellExp<sup>™</sup> CD306, human recombinant (Cat. No. 7377-10, -50)
- Human CellExp<sup>™</sup> CD84, human recombinant (Cat. No. 7378-10, -50)

