



RPCB0458

Product Information

Product SKU: RPCB0458 **Gene ID:** 23308 **Size:** 10µg
Tag: N-hFC **Reactivity:** Human

Additional Information

Expression Host: HEK293 cells **Swissprot:** O75144
Purity: > 95% by SDS-PAGE.

Protein Information

Background: Inducible co-stimulator ligand (ICOSL) is a member of the B7 family of co-stimulatory molecules related to B7-1 and B7-2. It is a transmembrane glycoprotein with extracellular IgV and IgC domains and binds to ICOS on activated T cells, thus delivers a positive costimulatory signal for optimal T cell function. The structural features of ICOSL are crucial for its costimulatory function. The present study shows that ICOSL displays a marked oligomerization potential, resembling more like B7-1 than B7-2. B7-H2-dependent signaling may play an active role in a proliferative response rather than in cytokine and chemokine production. The CD28/B7 and ICOS/B7-H2 pathways are both critical for costimulating T cell immune responses. Deficiency in either pathway results in defective T cell activation, cytokine production, and germinal center formation.

Protein Description: High quality, high purity and low endotoxin recombinant Recombinant Human ICOSLG/B7-H2/CD275 Protein, tested reactivity in HEK293 cells and has been validated in SDS-PAGE. 100% guaranteed.

Endotoxin: < 0.01 EU/µg of the protein by LAL method.

Formulation: Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.

Storage: Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.

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