

ICOSLG, 19-256aa, Human, hlgG-His-tag, Baculovirus

Cat.NO.: TP02549

3th Edition

Synonyms: ICOS ligand isoform a, ICOSLG, B7-H2, B7H2, B7RP-1, B7RP1, CD275, GL50, ICOS-L, ICOSL, LICOS

Description: ICOSLG, also known as ICOS ligand isoform a, is a member of the B7 family of co-stimulatory molecules related to B7-1 and B7-2. This protein is a transmembrane glycoprotein with extracellular IgV and IgC domains, and binds to ICOS on activated T cells. Its dependent signaling may play an active role in a proliferative response rather than in cytokine and chemokine production. Recombinant human ICOSLG, fused to hlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight: 53.7kDa (480aa), 50-70kDa (SDS-PAGE under reducing conditions.)

Sequences:

ADPDTQEKEVRAMVGSDVELSCACPEGSRFDLNDVYVYWQTSESKTVVTYHIPQNSSLENVDSRYRNRALMSPA
GMLRGDFSLRLFNVTTPQDEQKFHCLVLSQSLGFQEVLSVEVTLHVAANFSVPVVSAPHSPSQDELTFCTCTSINGYP
RPNVYWINKTDNSLLDQALQNDTVFLNMRGLYDVSVLRIARTPSVNIGCCIEENVLLQQNLTVGSQTGNDIGERDKI
TENPVSTGEKNAATLEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFN
WYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTL
PPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGNVFCSS
VMHEALHNHYTQKSLSLSPGKHHHHHHH

Purity: > 95% by HPLC

Concentration: 1 mg/ml (determined by Absorbance at 280nm)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.