
Product Data Sheet

Product Name: ICOSLG Human
 Cat. No.: GP23688
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.

Synonyms Inducible T-Cell Costimulator Ligand; B7-Related Protein 1; B7 Homolog 2; B7-Like Protein GI50; B7 Homologue 2; B7RP-1; ICOSL; B7-H2; B7RP1; B7H2; Transmembrane Protein B7-H2 ICOS Ligand; Inducible T-Cell Co-Stimulator Ligand; CD275 Antigen; ICOS Ligand; KIAA0653; ICOS-L; CD275; LICOS; GL50; ICOS ligand; B7 homolog 2; B7-H2; B7-like protein GI50; B7-related protein 1; B7RP-1.

Amino Acid Sequence
 ADPDTQEKEV RAMVGSDVEL SCACPEGSRF DLNDVYVYWQ TSESKTVVTY
 HIPQNSSLEN VDSRYRNRAL MSPAGMLRGD FSLRLFNVTP QDEQKFHCLV
 LSQSLGFQEV LSVEVTLHVA ANFSVPVSA PHSPSQDELFTCTTSINGYP
 RPNVYWINKT DNSLLDQALQ NDTVFLNMRG LYDVVSVLRI ARTPSVNIGC
 CIENVLLQQN LTVGSQTGND IGERDKITEN PVSTGEKNAA TLEPKSCDKT
 HTCPPCPAPE LLGGPSVFLF PPKPKDTLMI SRTPEVTCVV VDVSHEDPEV
 KFNWYVDGVE VHNAKTKPRE EQYNSTYRVV SVLTVLHQDW LNGKEYKCKV
 SNKALPAPIE KTISKAKGQP REPQVYTLPP SRDELTKNQV SLTCLVKGFY
 PSDIAVEWES NGQPENNYKT TPPVLDSGDS FFLYSKLTVD KSRWQQGNVF
 SCSVMHEALH NHYTQKSLSL SPGKHHHHHH.

Formulation ICOSLG protein solution (1mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

Introduction

Inducible T-Cell Costimulator Ligand also known as ICOSLG, is part of the B7 family of co-stimulatory molecules related to B7-1 and B7-2. ICOSLG is a transmembrane glycoprotein with extracellular IgV and IgC domains, in addition it binds to ICOS on activated T cells. The dependent signaling of ICOSLG takes part in a proliferative response.

Caution: Product has not been fully validated for medical applications. For research use only.

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Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

ICOSLG produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 480 amino acids (19-256a.a.) and having a molecular mass of 53.7kDa (Molecular size on SDS-PAGE will appear at approximately 50-70kDa). ICOSLG is expressed with a 239 amino acid hIgG-His-tag at C-Terminus and purified by proprietary chromatographic techniques.

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