

Recombinant human B7-H2 protein

Catalog Number: ATGP3600

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

19-256aa

UniProt No.

O75144

NCBI Accession No.

NP_056074.1

Alternative Names

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

PRODUCT SPECIFICATION

Molecular Weight

53.7 kDa (480aa)

Concentration

1mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 90% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

hIgG-His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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 hIgG-His-tag at C-terminus,

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was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

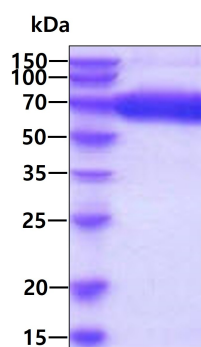
<ADP>DTQEKEV RAMVGSDVEL SCACPEGSRF DLNDVYVYWQ TSESKTVVTY HIPQNSSLN VDSRYRNRAL
MSPAGMLRGD FSLRLFNVTP QDEQKFHCLV LSQSLGFQEV LSVEVTLHVA ANFSVPVSA PHSPSQDELT FTCTSINGYP
RPNVYWINKT DNSLLDQALQ NDTVFLNMRG LYDVVSVLRI ARTPSVNIGC CIENVLLQQN LTVGSQTGND IGERDKITEN
PVSTGEKNAA T<LEPKSCDKT HTCPCPAPE LLGGPSVFLF PPKPKDTLMI SRTPEVTCVV VDVSHEDPEV KFNWYVDGVE
VHNAKTKPRE EQYNSTYRVV SVLTVLHQDW LNGKEYKCKV SNKALPAPIE KTISKAKGQP REPQVYTLPP SRDELTKNQV
SLTCLVKGFY PSDIAVEWES NGQPENNYKT TPPVLDSGGS FFLYSKLTVD KSRWQQGNVF SCSVMHEALH NHYTQKSLSL
SPGKHHHHHH>

General References

Maazi H., et al, (2015) Immunity 42:538-551.
Shen C., et al, (2014) Clin. Exp. Allergy 44:831-841.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.