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Recombinant human ULBP-2 protein

Catalog Number: ATGP3491

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

26-216aa

UniProt No.

O9BZM5

NCBI Accession No.

NP 079493

Alternative Names

UL16 binding protein 2, ALCAN-alpha, NKG2D ligand 2, N2DL-2, NKG2DL2, Retinoic acid early transcript 1H, RAET1H, N2DL2

PRODUCT SPECIFICATION

Molecular Weight

22.7 kDa (200aa)

Concentration

0.5mg/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

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

ULBP2, also known as NKG2D ligand 2, is a member of a family of cell-surface proteins that function as ligands for human NKG2D. Carithromycin induces ULBP2 expression and reduces the amount of sULBP2, by possibly inhibiting the activity of the potent ULBP2-shedding enzyme ADAM17. Because these changes in ULBP2 and



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sULBP2 levels could activate NKT cells, this finding might indicate a novel mechanism by which clarithromycin improves the clearance of P. aeruginosa in chronic respiratory diseases. It is a useful serum biomarker for pancreatic cancer detection. Recombinant human ULBP2, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

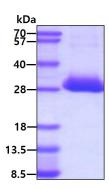
<ADP>GRADPHS LCYDITVIPK FRPGPRWCAV QGQVDEKTFL HYDCGNKTVT PVSPLGKKLN VTTAWKAQNP VLREVVDILT EQLRDIQLEN YTPKEPLTLQ ARMSCEQKAE GHSSGSWQFS FDGQIFLLFD SEKRMWTTVH PGARKMKEKW ENDKVVAMSF HYFSMGDCIG WLEDFLMGMD STLEPSAGAP LAMS

General References

Okada K., et al. (2015) Yonago Acta Med. 58:31-38. Chang YT., et al. (2011) PLoS One. 6:e20029.

DATA

SDS-PAGE



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

