

Recombinant human ULBP-2 protein

Catalog Number: ATGP3491

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

26-216aa

UniProt No.

Q9BZM5

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

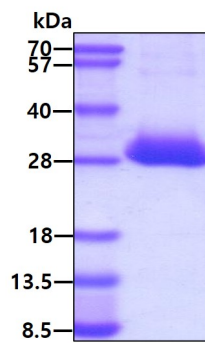
<ADP>GRADPHS LCYDITVIPK FRPGPRWCAV QGQVDEKTFLL HYDCGNKTVT PVSPLGKKLN VTTAWKAQNP
VLREVV DILT EQLRDIQLEN YTPKEPLTLQ ARMSCEQKAE GHSSGSWQFS FDGQIFLLFD SEKRMWTTVH PGARKMKEKW
ENDKVVAMSF HYFSMGDCIG WLEDFLMGMD STLEPSAGAP LAMS<HHHHHH>

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



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