

Recombinant human ULBP-1 protein

Catalog Number: ATGP3479

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

26-216aa

UniProt No.

Q9BZM6

NCBI Accession No.

NP_079494

Alternative Names

UL16 binding protein 1, ALCAN-beta, NKG2D ligand 1, N2DL-1, NKG2DL1, Retinoic acid early transcript 1I, RAET1I

PRODUCT SPECIFICATION

Molecular Weight

23.4 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)

Biological Activity

Measured by its binding ability in a functional ELISA with Human NKG2D (CAT# ATGP3662).

Tag

His-Tag

Application

SDS-PAGE, Bioactivity

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

ULBP1, also known as NKG2D ligand 1, is a member of a family of cell-surface proteins that function as ligands

Recombinant human ULBP-1 protein

Catalog Number: ATGP3479

for human NKG2D. It is unconventional MHC class I-like molecules exploited by viruses and cancer. Its ligand Methylation contributes to immune system evasion in acute myeloid leukemia. It is independent predictors of good prognosis in cervical cancer. Recombinant human ULBP1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

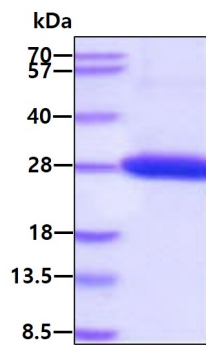
<ADL>GWVDTHC LCYDFIITPK SRPEPQWCEV QGLVDERPFL HYDCVNHKAK AFASLGKKVN VTKTWEEQTE
TLRDVVDFLK GQLLDIQVEN LIPIEPLTLQ ARMSCEHEAH GHGRGSWQFL FNGQKLLFD SNNRKWTALH PGAKKMTEKW
EKNRDVTMFF QKISLGDCKM WLEEFMYWE QMLDPTKPPS LAPG<HHHHHH>

General References

Baragano Raneros A., et al. (2015) Genes Immun. 16:71-82.
Cerwenka A., et al. (2003) Tissue Antigens. 61:335-343.

DATA

SDS-PAGE



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

Biological Activity

Human ULBP-1 is coated at 10ug/ml (100 ul/well) can bind NKG2D (CAT# ATGP3662) in a Functional ELISA assay.

