Recombinant human ULBP-4/RAET1E protein

Catalog Number: ATGP3653

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
31-225aa

UniProt No.
Q8TD07

NCBI Accession No.
NP_631904

Alternative Names
Retinoic acid early transcript 1E, Lymphocyte effector toxicity activation ligand, NKG2D ligand 4, N2DL-4, NKG2DL4, RAE-1-like transcript 4, UL16-binding protein 4, LETAL, N2DL4, ULBP4

PRODUCT SPECIFICATION

Molecular Weight
23.4 kDa (204aa)

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
RAET1E, also known as NKG2D ligand 4 isoform 1, is a member of the RAET1/ULBP family of cell surface protein that function as ligands for NKG2D. This protein is abnormally expressed on most colon cancer and some other tumor cell lines and virus infected peripheral blood cells. It binds and co-stimulates NKG2D expressing effector

Recombinant human ULBP-4/RAET1E protein

Catalog Number: ATGP3653

cells including NK cells, NKT cells, gamma delta T cells, and CD8+ alpha beta T cells, activating cytolytic activity and/or cytokine production. Also, it functions as a stress-induced ligand for NKG2D receptor. Recombinant human RAET1E, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

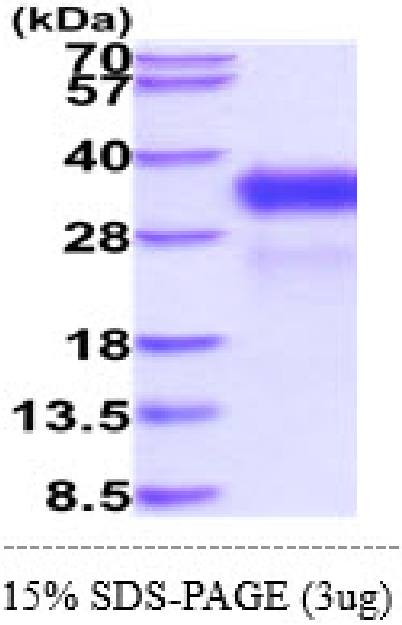
ADPHSLCFNF TIKSLSRPGQ PWCEAQVFLN KNLFLQYNSD NNMVKPLGLL GKKVYATSTW GELTQTLGEV GRDLRMLLCD IKPQIKTSDP STLQVEMFCQ REAERCTGAS WQFATNGEKS LLFDAMNMTW TVINHEASKI KETWKKDRGL EKYFRKLSKG DCDHWLREFL GHWEAMPEPT VSPVNASDIH WSSSSLPDHH HHHH

General References

Chalupny NJ., et al, (2003) Biochem. Biophys. Res. Commun. 305:129-135.
Kong Y., et al, (2009) Blood 114:310-317.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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