

Recombinant human ULBP-4/RAET1E protein

Catalog Number: ATGP1820

PRODUCT INFORMATION

Expression system

E.coli

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

24.9 kDa (219aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

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 belongs to the RAET1 family, which consists of major histocompatibility complex (MHC) class I-related genes located in a cluster on chromosome 6q24. 2-q25. 3. RAET1E and RAET1G protein differ from other RAET1 proteins in that they have type I membrane-spanning sequences at their C termini rather than glycosylphosphatidylinositol anchor sequences. This protein functions as a ligand for NKG2D receptor, which is expressed on the surface of several types of immune cells, and is involved in innate adaptive immune

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responses. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. Recombinant human RAET1E protein, fused to His-tag at N-terminus, was expressed in E. coli.

Amino acid Sequence

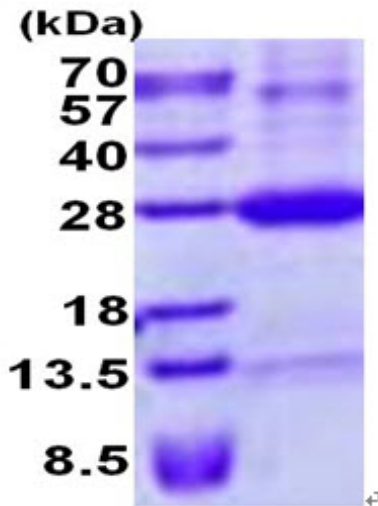
MGSSHHHHHH SGLVPRGSH MGSMHSLCFN FTIKLSLRPG QPWCEAQVFL NKNLFLQYNS DNNMVKPLGL LGKKVYATST
WGELTQTLGE VGRDLRMLLC DIKPQIKTSD PSTLQVEMFC QREAERCTGA SWQFATNGEK SLLFDAMNMT WTVINHEASK
IKETWKKDRG LEKYFRKLSK GDCDHWLREF LGHWAMPEP TVSPVNASDI HWSSSSLPD

General References

McGilvray, R.W., et al. (2010) *Int. J. Cancer* 127 (6), 1412-1420
Antoun, A., et al. (2010) *Hum. Immunol.* 71 (6), 610-620

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)