

Recombinant mouse Rae-1 epsilon protein

Catalog Number: ATGP3456

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

29-227aa

UniProt No.

Q9CZQ6

NCBI Accession No.

NP_937836

Alternative Names

Retinoic acid early-inducible protein 1-epsilon, Raet1e

PRODUCT SPECIFICATION

Molecular Weight

23.5 kDa (207aa)

Concentration

0.5mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 95% 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 retinoic acid early-inducible protein 1-epsilon, is a member of a family of cell-surface proteins that function as ligands for mouse NKG2D. All Rae-1 family members bind to mouse NKG2D, an activating receptor expressed on NK cells and some T cell subsets, resulting in the activation of cytolytic activity and cytokine production by these effector cells. Recombinant mouse Raet1e, fused to His-tag at C-terminus, was

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expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

LDDAHSRLRCN LTIKDPTSAD LPWCDVKCSV DEITILHLNN INKMTSGDP GKMANATGKC LTQPLNDLCQ ELRDKVSNTK
VDTHKTNGYP HLQVTMIYPQ SQGQTPSATW EFNISDSYFF TFYTENMSWR SANDESGVIM NKWKDDGDLV QQLKYFIPQC
RQKIDEFLKQ SKEKPRSTSR SPSITQLTST SPLPPPSHSL EHHHHHH

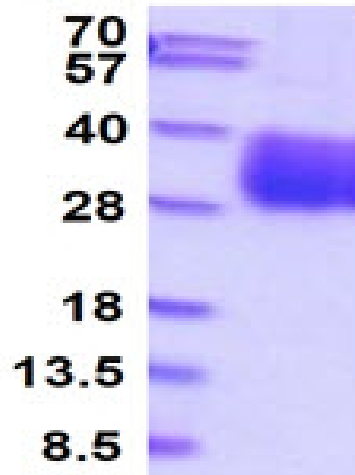
General References

Diefenbach A., et al. (2000) Nat Immunol. 1:119-126.
Cerwenka A., et al. (2001) Proc Natl Acad Sci USA. 98:11521-11526.

DATA

SDS-PAGE

(kDa)



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

15% SDS-PAGE (3ug)