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

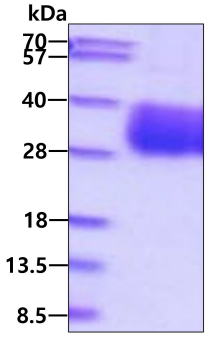
LDDAHSLRCN LTIKDPTSAD LPWCDVKCSV DEITILHLNN INKTMTSGDP GKMANATGKC LTQPLNDLCQ ELRDKVSNTK VDTHKTNGYP HLQVTMIYPQ SQGQTPSATW EFNISDSYFF TFYTENMSWR SANDESGVIM NKWKDDGDLV QQLKYFIPQC RQKIDEFLKQ SKEKPRSTSR SPSITQLTST SPLPPPSHS<L EHHHHHH>

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



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