

32-13374: RAET1E Mouse

Alternative Name : RAE-1-epsilon, Retinoic acid early-inducible protein 1-epsilon, Raet1e.

Description

Source: Sf9, Insect cells.

Sterile Filtered clear solution.

RAET1E is a member of the MHC class I family. MHC class I family contains main histocompatibility complex (MHC) class I-related genes positioned in a cluster on chromosome 6q24.2-q25.3. RAET1E and RAET1G protein are different from other RAET1 proteins since they have type I membrane-spanning sequences at their C termini instead glycosylphosphatidylinositol anchor sequences. RAET1E acts as a ligand for NKG2D receptor, expressed on the surface of numerous types of immune cells, involves in innate adaptive immune reactions. RAET1E delivers signals to NK cells and advances tumor immune surveillance by inducing the growth of anti-tumor cytotoxic lymphocyte.

RAET1E produced in Sf9 Insect cells is a single, glycosylated polypeptide chain containing 207 amino acids (29-227a.a.) and having a molecular mass of 23.5kDa (Molecular size on SDS-PAGE will appear at approximately 28-40kDa). RAET1E is expressed with an 8 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	RAET1E protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid :	LDDAHSLRCN LTIKDPTSAD LPWCDVKCSV DEITILHLNN INKMTSGDP GKMANATGKC LTQPLNDLCQ ELRDKVSNTK VDTHTKNGYP HLQVTMIYPQ SQGQTPSATW EFNISDSYFF TFYTENMSWR SANDESGVIM NKWKDDGDLV QQLKYFIPQC RQKIDFLKQ SKEKPRTSR SPSITQLTST SPLPPPSHSL EHHHHHHH.