9051 Mira Mesa Blvd, #910094
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RAET1E Human, IgG-His

Retinoic Acid Early Transcript 1E Human Recombinant, IgG-His Tag
RCP1791

Product Overview

Name	RAET1E Human, IgG-His

Description

Retinoic Acid Early Transcript 1E Human Recombinant, IgG-His Tag

Accession (Primary)	Q8TD07

Synonyms

Retinoic Acid Early Transcript 1E, Lymphocyte Effector Toxicity Activation Ligand, RAE-1-Like Transcript 4, NKG2DL4, N2DL-4, LETAL, ULBP4, RL-4, NKG2D Ligand 4, BA350J20.7, RAET1E2, N2DL4.

Introduction

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.

Source

Sf9, Baculovirus cells.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

RAET1E protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

Stability

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.

Purity

Greater than 85.0% as determined by SDS-PAGE.

Amino acid sequence

ADP HSLCFNF TIKSLSRPGQ PWCEAQVFLN KNLFLQYNSD NNMVKPLGLL GKKVYATSTW GELTQTLGEV GRDLRMLLCD IKPQIKTSDP STLQVEMFCQ REAERCTGAS WQFATNGEKS LLFDAMNMTW TVINHEASKI

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KETWKKDRGL EKYFRKLSKG DCDHWLREFL GHWEAMPEPT VSPVNASDIH WSSSSLPD VE PKSCDKTHTC PPCPAPELLG GPSVFLFPPK PKDTLMISRT PEVTCVVVDV SHEDPEVKFN WYVDGVEVHN AKTKPREEQY NSTYRVVSVL TVLHQDWLNG KEYKCKVSNK ALPAPIEKTI SKAKGQPREP QVYTLPPSRD ELTKNQVSLT CLVKGFYPSD IAVEWESNGQ PENNYKTTPP VLDSDGSFFL YSKLTVDKSR WQQGNVFSCS VMHEALHNHY TQKSLSLSPG KHHHHHH.

Precautions

RAET1E Human, IgG-His is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q8TD07)