9051 Mira Mesa Blvd, #910094
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RAET1E Human

Retinoic Acid Early Transcript 1E Human Recombinant
RCP1790

Product Overview

Name	RAET1E Human
Description	
Retinoic Acid Early Transcript 1E Human Recombinant	
Accession (Primary)	Q8TD07
Synonyms	
bA350J20.7, LETAL, N2DL-4, NKG2DL4, RAET1E2, RL-4, ULBP4, NKG2D ligand 4, Retinoic acid early transcript 1E, RAE-1-like transcript 4, Lymphocyte effector toxicity activation ligand, UNQ1867/PRO4303.	
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	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered clear solution.	
Formulation	
RAET1E protein solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M UREA 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 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGSM HSLCFN FTIKSLSRPG QPWCEAQVFL NKNLFLQYNS DNNMVKPLGL LGKKVYATST WGELTQTLGE VGRDLRMLLC DIKPQIKTSD PSTLQVEMFC QREAERCTGA SWQFATNGEK	

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SLLFDAMNMT WTVINHEASK IKETWKKDRG LEKYFRKLSK GDCDHWLREF LGHWEAMPEP TVSPVNASDI HWSSSSLPD.

Precautions

RAET1E Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q8TD07)