9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

RAET1G Human

Retinoic Acid Early Transcript 1G Human Recombinant
RCP1794

Product Overview

Name	RAET1G Human
Description	
Retinoic Acid Early Transcript 1G Human Recombinant	
Accession (Primary)	Q6H3X3
Synonyms	
Retinoic acid early transcript 1G protein, RAET1G, ULBP5.	
Introduction	
Retinoic Acid Early Transcript 1G (RAET1G/ULBP5) is a member of the MHC class I family. RAET1G functions as a ligand for the NKG2D receptor on the surface of NK cells. NKG2D stimulation influences anti-tumor and anti-viral immune responses of NK cells. ULBP ligands are generated by virally infected cells and tumors. RAET1G is expressed in 2 variants- a membrane and a soluble isoform. RAET1G is highly expressed in the colon and in several tumor cell lines.	
Source	
Escherichia Coli.	
Physical Appearance	
Filtered White lyophilized (freeze-dried) powder.	
Formulation	
RAET1G filtered (0.4 µm) and lyophilized from 0.5mg/ml in 20mM Tris buffer and 50mM NaCl, pH 7.5.	
Stability	
Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid sequence	
MKHHHHHHAS GLADPHSLCY DITVIPKFRP GPRWCAVQGQ VDEKTFLHYD CGSKTVTPVS PLGKKLNVTT AWKAQNPVLR EVVDILTEQL LDIQLENYIP KEPLTLQARM SCEQKAEGHG SGSWQLSFDG QIFLLFDSEN RMWTTVHPGA RKMKEKWEND KDMTMSFHYI SMGDCTGWLE DFLMGMDSTL EPSAGGTV.	

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Solubility

It is recommended to add deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. RAET1G is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

Precautions

RAET1G Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q6H3X3)