

32-4591: Recombinant Human Retinoic Acid Early Transcript 1G

Alternative Name : Retinoic acid early transcript 1G protein, RAET1G, ULBP5.

Description

Source : Escherichia Coli. RAET1G Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain (corresponding to Isoform 2, Uniprot accession #Q6H3X3-2) containing 198 amino acids including a 10 a.a N-terminal His tag. The total molecular mass is 22.43kDa (calculated). 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.

Product Info

Amount :	10 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	RAET1G filtered (0.4µm) and lyophilized from 0.5mg/ml in 20mM Tris buffer and 50mM NaCl, pH 7.5.
Storage condition :	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.
Amino Acid :	MKHHHHHHASGLADPHSLCY DITVIPKFRP GPRWCAVQQG VDEKTFLLHYD CGSKTVTPVS PLGKKLNVTT AWKAQNPVLR EVVDILTEQL LDIQLENYIP KEPLTLQARM SCEQKAEGHG SGSWQLSFDG QIFLLFDSEN RMWTTVHPGA RKMKEKWEND KDMTMSFHYI SMGDCTGWLE DFLMGMDSTL EPSAGGTV.

Application Note

It is recommended to add 200µl 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.

