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**Product Data Sheet**


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Product Name: RAET1L Human

Cat. No.: GP26328

Batch No.: 1

**Product Data**

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	withIcePacks
Synonyms	early transcript 1L, ULBP6, UL16-binding protein 6, RAET1L, retinoic acid early transcript 1L protein, retinoic acid early transcript 1L		
Amino Acid Sequence	ADPRRDDPHS LCYDITVIPK FRPGPRWCAV QGQVDEKTFL HYDCGNKTVT PVSP LGKKN VTMAWKAQNP VLREVV DILT EQLLDIQL EN YTPKEPLTLQ ARMSCEQKAE GHSSGSWQFS IDGQTFLLFD SEKRMWTTVH PGARKMKEKW ENDKDVAMSF HYISMGDCIG WLEDFLMGMD STLEPSAGAP LAMSSGHHHH HH		
Formulation	The RAET1L solution (1mg/ml) contains 10% glycerol and Phosphate-Buffered Saline (pH 7.4).		

**Introduction**

RAET1L plays a role as a stress-induced ligand for NKG2D receptor. Retinoic Acid Early Transcript 1L (RAET1L) is linked to the cell membrane by the GPI anchor. HCMV infection triggers RAET1L's expression but HCMV alters its function. HCMV-encoded UL16 glycoprotein retains RAET1L/ULBP6 inside the cells, preventing it from reaching the cell surface and being exposed to cells of the immune system. RAET1L has a more restricted expression profile in cell lines and primary human tissues than other NKG2D ligands.

**Biological Activity**

Determined by its binding ability in a functional ELISA with Human KLRK1 (CAT# pro-2474).

**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%

**Caution: Product has not been fully validated for medical applications. For research use only.**

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HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

RAET1L Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 202 amino acids (26-218 a.a) and having a molecular mass of 22.9kDa. RAET1L is fused to a 6 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

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