

ULBP-6/RAET1L active protein

Recombinant human ULBP-6/RAET1L Protein

CATALOG # AAA48398	HOST Baculovirus	APPLICATIONS SDS-Page
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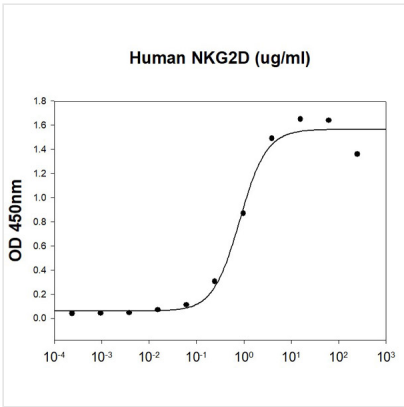
PRODUCT SYNONYMS

ULBP-6/RAET1L; Recombinant human ULBP-6/RAET1L Protein; early transcript 1L; ULBP6; UL16-binding protein 6;RAET1L; retinoic acid early transcript 1L protein; retinoic acid early transcript 1L; ULBP-6/RAET1L active protein

PRODUCT SPECIFICATIONS

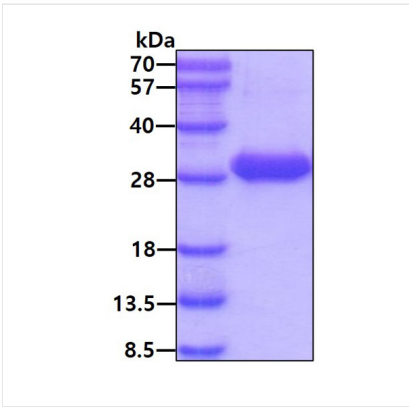
Host	Baculovirus
Purity/Purification	>95% by SDS-PAGE
Form/Format	Liquid. In Phosphate-Buffered Saline (pH7.4) containing 10% glycerol
Concentration	1mg/ml (determined by Absorbance at 280nm) (varies by lot)
Sequence Positions	26-218aa
Sequence	RRDDP HSLCYDITVI PKFRPGPRWC AVQGQVDEKT FLHYDCGNKT VTPVSPLGKK LNVMTAWKAQ NPVLREVVDI LTEQLLDIQL ENYTPKEPLT LQARMSCEQK AEGHSSGSWQ FSIDGQTFL FLDSEKRMWTT VHPGARKMKE KWENDKDVAM SFHYISMGDC IGWLEDFLMG MDSTLEPSAG APLAMSSG
Applicable Applications for ULBP-6/RAET1L active protein	Bioactivity, SDS-PAGE
Endotoxin	<1 EU per 1ug of protein (determined by LAL method)
Species	Human
Tag	His-Tag
Predicted N-term	Ala
Bioactivity	Measured by its binding ability in a functional ELISA with Human NKG2D.
Preparation and Storage	Can be stored at +2C to +8 degree C for 1 week. For long term storage, aliquot and store at -20C to -80 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



Bioactivity

Human RAET1L/ULBP6 is coated at 10 ug/ml (100 ul/well) can bind Human NKG2D (CAT# ATGP3662) in a Functional ELISA assay.



SDS-PAGE

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stainLane 1 : reducing conditionLane 2 : non-reducing condition

ADDITIONAL INFORMATION

Related Product Information for ULBP-6/RAET1L active protein	RAET1L, also known as retinoic acid early transcript 1L, linked to the cell membrane by the GPI anchor. This protein functions as a stress-induced ligand for NKG2D receptor. Its expression is, for example, triggered in course of HCMV infection, 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. It had a more restricted expression profile in cell lines and primary human tissues than other NKG2D ligands. RAET1L mRNA shows restricted expression in the trachea and some HPV positive cervical carcinoma and colorectal carcinoma cell lines. Recombinant human RAET1L, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Product Categories/Family for ULBP-6/RAET1L active protein	Immunology; Proteins
References	Eagle R.A., et al. (2009) Eur. J. Immunol. 39:3207. Kondo M., et al. (2010) Immunogenetics 62:441.

NCBI AND UNIPROT INFORMATION

UniProt Accession #	Q5VY80
Molecular Weight	22.9kDa (202aa)
UniProt Protein Name	Retinoic acid early transcript 1L protein
UniProt Gene Name	RAET1L
UniProt Entry Name	RET1L_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.