

## ULBP1/RAET1I Protein, Human (Biotinylated, HEK293, His-Avi)

Cat. No.:	HY-P78227
Synonyms:	ALCAN-beta; NKG2D ligand 1; N2DL-1; NKG2DL1; MULT-1; NKG2DL; AET1I; ULBP1; ULBP-1; ALCAN-β
Species:	Human
Source:	HEK293
Accession:	Q9BZM6 (G26-P215)
Gene ID:	80329
Molecular Weight:	28-35 kDa

### PROPERTIES

Biological Activity	Immobilized Human NKG2D, hFc Tag at 2μg/ml (100μl/Well) on the plate. Dose response curve for Biotinylated Human ULBP-1, His Tag with the EC <sub>50</sub> of 93.2ng/ml determined by ELISA.
Appearance	Solution.
Formulation	Supplied as a 0.22 μm filtered solution of 20 mM PB, 0.5M NaCl, 0.1M L-arginine, pH 8.0.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

### DESCRIPTION

Background	The ULBP1/RAET1I protein plays a crucial role in natural killer cell cytotoxicity by acting as a ligand that binds to and activates the KLRK1/NKG2D receptor. This binding and activation mechanism highlights the significance of ULBP1/RAET1I in mediating the cytotoxic responses of natural killer cells. Moreover, it is noteworthy that ULBP1/RAET1I does not exhibit binding to beta2-microglobulin. This characteristic interaction profile underscores the specificity and selectivity of ULBP1/RAET1I in its engagement with KLRK1/NKG2D, emphasizing its pivotal role in immune responses and its potential as a therapeutic target for modulating natural killer cell activity.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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