

ULBP4/RAET1E Protein, Human (HEK293, Fc)

Cat. No.:	HY-P76690
Synonyms:	Retinoic acid early transcript 1E; NKG2D ligand 4; LETAL; N2DL4
Species:	Human
Source:	HEK293
Accession:	Q8TD07 (M1-D225)
Gene ID:	135250
Molecular Weight:	Approximately 49.1 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The ULBP4/RAET1E protein plays a crucial role in natural killer cell cytotoxicity by serving as a ligand that binds to and activates the KLRK1/NKG2D receptor. This interaction between ULBP4/RAET1E and KLRK1/NKG2D is pivotal in mediating the cytotoxic responses of natural killer cells. Through its binding affinity with KLRK1/NKG2D, ULBP4/RAET1E contributes to the activation of this receptor, facilitating the recognition and targeting of cells marked for elimination. The engagement of ULBP4/RAET1E with KLRK1/NKG2D underscores its significance in the regulation of immune responses and the modulation of 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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