ULBP4/RAET1E Protein, Human (HEK293, His)

Cat. No.:	HY-P76691
Synonyms:	Retinoic acid early transcript 1E; NKG2D ligand 4; LETAL; N2DL4
Species:	Human
Source:	HEK293
Accession:	Q8TD07-1 (H31-D225)
Gene ID:	135250
Molecular Weight:	Approximately 35-40 kDa

PROPERTIES

AA Sequence	H S L C F N F T I K S L S R P G Q P W C E A Q V F L N K N L F L Q Y N S D N N M V K P L G L L G K K V Y A T S T W G E L T Q T L G E V G R D L R M L L C D I K P Q I K T S D P S T L Q V E M F C Q R E A E R C T G A S W Q F A T N G E K S L L F D A M N M T W T V I N H E A S K I K E T W K K D R G L E K Y F R K L S K G D C D H W L R E F L G H W E A M P E P T V S P V N A S D I H W S S S S L P D
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
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.

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

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA