

## ULBP-6/RAET1L Protein, Human (HEK293, His)

<b>Cat. No.:</b>	HY-P77503
<b>Synonyms:</b>	UL16-binding protein 6; Retinoic acid early transcript 1L protein; ULBP6; RAET1L
<b>Species:</b>	Human
<b>Source:</b>	HEK293
<b>Accession:</b>	Q5VY80 (R26-S217)
<b>Gene ID:</b>	154064
<b>Molecular Weight:</b>	Approximately 27-33 kDa due to the glycosylation

### PROPERTIES

<b>AA Sequence</b>	<pre> R R D D P H S L C Y   D I T V I P K F R P   G P R W C A V Q G Q   V D E K T F L H Y D C G N K T V T P V S   P L G K K L N V T M   A W K A Q N P V L R   E V V D I L T E Q L L D I Q L E N Y T P   K E P L T L Q A R M   S C E Q K A E G H S   S G S W Q F S I D G Q T F L L F D S E K   R M W T T V H P G A   R K M K E K W E N D   K D V A M S F H Y I S M G D C I G W L E   D F L M G M D S T L   E P S A G A P L A M   S S           </pre>
<b>Biological Activity</b>	Measured by its binding ability in a functional ELISA. When Recombinant Human NKG2D/CD314 is immobilized at 1 µg/mL (100 µL/well) can bind Human ULBP-6/RAET1L. The ED <sub>50</sub> for this effect is 27.800 ng/mL.
<b>Appearance</b>	Lyophilized powder
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
<b>Endotoxin Level</b>	<1 EU/µg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
<b>Storage &amp; Stability</b>	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.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	NKG2DL2, a key participant in immune response modulation, exerts its influence by binding to and activating the KLRK1/NKG2D receptor. This interaction serves as a pivotal trigger for natural killer (NK) cell cytotoxicity, a fundamental aspect of the immune system's defense against various threats. NKG2DL2's ability to engage with KLRK1/NKG2D underscores its role in orchestrating NK cell responses. Notably, it does not form a binding association with beta2-
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microglobulin, further elucidating the specificity of its molecular interactions.

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

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