

IL-1R9/IL1RAPL2 Protein, Human (HEK293, Fc)

Cat. No.:	HY-P73151
Synonyms:	X-linked interleukin-1 receptor accessory protein-like 2; IL1RAPL-2; IL-1R9
Species:	Human
Source:	HEK293
Accession:	Q9NP60 (T17-K354)
Gene ID:	26280
Molecular Weight:	75-95 kDa

PROPERTIES

AA Sequence	<p>T N L K M V S K R N S V D G C I D W S V D L K T Y M A L A G E P V R V K C A L F</p> <p>Y S Y I R T N Y S T A Q S T G L R L M W Y K N K G D L E E P I I F S E V R M S K</p> <p>E E D S I W F H S A E A Q D S G F Y T C V L R N S T Y C M K V S M S L T V A E N</p> <p>E S G L C Y N S R I R Y L E K S E V T K R K E I S C P D M D D F K K S D Q E P D</p> <p>V V W Y K E C K P K M W R S I I I Q K G N A L L I Q E V Q E E D G G N Y T C E L</p> <p>K Y E G K L V R R T T E L K V T A L L T D K P P K P L F P M E N Q P S V I D V Q</p> <p>L G K P L N I P C K A F F G F S G E S G P M I Y W M K G E K F I E E L A G H I R</p> <p>E G E I R L L K E H L G E K E V E L A L I F D S V V E A D L A N Y T C H V E N R</p> <p>N G R K H A S V L L R K K D L I Y K</p>
Biological Activity	Measured by its ability to bind Human IL-1 alpha in functional ELISA.
Appearance	Lyophilized powder
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant 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	Interleukin-1 (IL-1) is a receptor that mediates gene expression for the synthesis of proteins associated with inflammation.
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The IL1RAPL2 protein is a member of the interleukin-1 receptor family and is similar to interleukin-1 receptor helper protein-like 1 (IL1RAPL1). IL-1 plays a key role in the pathogenesis of polymyositis and dermatomyositis. IL1RAPL2 is associated with non-syndromic X-linked mental retardation. IL1RAPL2 is specifically expressed in the nervous system and is a candidate gene for central nervous system diseases^{[1][2][3][4]}.

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

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