

## PILR-beta Protein, Human (HEK293, His)

<b>Cat. No.:</b>	HY-P77463
<b>Synonyms:</b>	Paired immunoglobulin-like type 2 receptor beta; Activating receptor PILR-beta; FDFACT; PP1551
<b>Species:</b>	Human
<b>Source:</b>	HEK293
<b>Accession:</b>	Q9UKJ0-1 (Q20-A189)
<b>Gene ID:</b>	29990
<b>Molecular Weight:</b>	Approximately 30-33 kDa due to the glycosylation

### PROPERTIES

<b>AA Sequence</b>	<p>Q P G G S T G S G P    S Y L Y G V T Q P K    H L S A S M G G S V    E I P F S F Y Y P W</p> <p>E L A I V P N V R I    S W R R G H F H G Q    S F Y S T R P P S I    H K D Y V N R L F L</p> <p>N W T E G Q E S G F    L R I S N L R K E D    Q S V Y F C R V E L    D T R R S G R Q Q L</p> <p>Q S I K G T K L T I    T Q A V T T T T T W    R P S S T T T I A G    L R V T E S K G H S</p> <p>E S W H L S L D T A</p>
<b>Biological Activity</b>	Measured by its binding ability in a functional ELISA. Immobilized CL-P1 at 2µg/mL (100µL/well) can bind Biotinylated Human PILR-beta. The ED <sub>50</sub> for this effect is 1.808 µg/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>	PILR-beta, a member of the paired receptors family, plays a crucial role in immune system regulation. As an activating receptor, PILRB is believed to engage in cellular signaling by associating with ITAM-bearing adapter molecules on the cell surface. This interaction suggests its involvement in transmitting signals that contribute to immune responses and modulation. The duality of activating and inhibitory receptors within the paired receptors family underscores their
-------------------	--

---

significance in finely tuning immune system activities.

---

**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](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA