

PILR-beta Protein, Mouse (HEK293, Fc)

Cat. No.:	HY-P77143
Synonyms:	Paired immunoglobulin-like type 2 receptor beta; Activating receptor PILR-beta; FDFACT; Pilrb1
Species:	Mouse
Source:	HEK293
Accession:	Q2YFS2 (G29-G193)
Gene ID:	170741
Molecular Weight:	Approximately 50-70 kDa due to the glycosylation

PROPERTIES

AA Sequence	<p>G N S E R Y N R K N G F G V N Q P E R C S G V Q G G S I D I P F S F Y F P W K L</p> <p>A K D P Q M S I A W K W K D F H G E V I Y N S S L P F I H E H F K G R L I L N W</p> <p>T Q G Q T S G V L R I L N L K E S D Q A Q Y F S R V N L Q S T E G M K L W Q S I</p> <p>P G T Q L N V T Q A L N T T M R S P F I V T S E F T T A G L E H T S D Q R N P S</p> <p>L M N L G</p>
Biological Activity	Immobilized PILR-beta at 2 µg/mL (100 µL/well) can bind Biotinylated CD99. The ED ₅₀ for this effect is 2.353 µg/mL.
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.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. 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	<p>PILR-beta Protein, a member of paired receptors integral to immune system regulation, is posited as a cellular signaling activating receptor that forms associations with ITAM-bearing adapter molecules on the cell surface. This protein is suggested to interact with DAP12 and functions as a receptor for CD99, potentially contributing to target cell recognition by natural killer cells and participating in the activation of dendritic cells. The observed interaction with CD99 and the likely association with DAP12 underscore PILR-beta's role in cellular signaling pathways, highlighting its potential impact on</p>
-------------------	---

immune responses and cellular recognition mechanisms.

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