

P2RY12 Protein, Human (Cell-Free, His)

Cat. No.:	HY-P702410
Synonyms:	P2Y purinoceptor 12; ADP-glucose receptor; ADPG-R; P2T(AC); P2Y(AC); P2Y(cyc); P2Y12 platelet ADP receptor; P2Y(ADP); SP1999
Species:	Human
Source:	E. coli Cell-free
Accession:	Q9H244 (M1-M342)
Gene ID:	64805
Molecular Weight:	42.2 kDa

PROPERTIES

AA Sequence	<p> M Q A V D N L T S A P G N T S L C T R D Y K I T Q V L F P L L Y T V L F F V G L I T N G L A M R I F F Q I R S K S N F I I F L K N T V I S D L L M I L T F P F K I L S D A K L G T G P L R T F V C Q V T S V I F Y F T M Y I S I S F L G L I T I D R Y Q K T T R P F K T S N P K N L L G A K I L S V V I W A F M F L L S L P N M I L T N R Q P R D K N V K K C S F L K S E F G L V W H E I V N Y I C Q V I F W I N F L I V I V C Y T L I T K E L Y R S Y V R T R G V G K V P R K K V N V K V F I I I A V F F I C F V P F H F A R I P Y T L S Q T R D V F D C T A E N T L F Y V K E S T L W L T S L N A C L D P F I Y F F L C K S F R N S L I S M L K C P N S A T S L S Q D N R K K E Q D G G D P N E E T P M </p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 µm filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
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 5-50% of glycerol (final concentration). Our default final concentration of glycerol is 50%. Customers could use it as reference.
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 P2RY12 Protein functions as a receptor for adenosine diphosphate (ADP) and adenosine triphosphate (ATP), coupled to G-proteins that inhibit the adenyl cyclase second messenger system. This receptor is not activated by uridine diphosphate
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(UDP) and uridine triphosphate (UTP). P2RY12 plays a crucial role in normal platelet aggregation and blood coagulation processes, serving as a key component in the regulation of these essential physiological functions.

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

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