

P2RY1 Protein, Mouse (Cell-Free, His)

Cat. No.:	HY-P702409
Synonyms:	P2Y purinoceptor 1; ADP receptor; Purinergic receptor
Species:	Mouse
Source:	E. coli Cell-free
Accession:	P49650 (M1-L373)
Gene ID:	18441
Molecular Weight:	48.3 kDa

PROPERTIES

AA Sequence	<pre> M T E V P W S V V P N G T D A A F L A G L G S L W G N S T V A S T A A V S S S F Q C A L T K T G F Q F Y Y L P A V Y I L V F I I G F L G N S V A I W M F V F H M K P W S G I S V Y M F N L A L A D F L Y V L T L P A L I F Y Y F N K T D W I F G D A M C K L Q R F I F H V N L Y G S I L F L T C I S A H R Y S G V V Y P L K S L G R L K K K N A I Y V S V L V W L I V V V A I S P I L F Y S G T G T R K N K T V T C Y D T T S N D Y L R S Y F I Y S M C T T V A M F C I P L V L I L G C Y G L I V K A L I Y N D L D N S P L R R K S I Y L V I I V L T V F A V S Y I P F H V M K T M N L R A R L D F Q T P E M C D F N D R V Y A T Y Q V T R G L A S L N S C V D P I L Y F L A G D T F R R R L S R A T R K A S R R S E A N L Q S K S E E M T L N I L S E F K Q N G D T S L </pre>
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 P2RY1 receptor functions as a receptor for extracellular adenine nucleotides, notably ADP. In platelets, its binding to
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ADP initiates the mobilization of intracellular calcium ions through the activation of phospholipase C, resulting in a change in platelet shape and ultimately facilitating platelet aggregation.

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

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