

## **PRODUCT INFORMATION**

P2RY12 **Target** 

ADP-glucose receptor (ADPG-R); P2T(AC); P2Y12; **Synonyms** 

HORK3; SP1999

Recombinant human P2RY12 Protein with C-**Description** 

terminal human Fc tag

Delivery In Stock Q9H244 **Uniprot ID Expression Host HEK293** 

Tag C-Human Fc tag

Molecular

**Purity** 

**Background** 

P2RY12(Met1-Leu27) hFc(Glu99-Ala330) Characterization

The protein has a predicted molecular mass of **Molecular Weight** 29.1 kDa after removal of the signal peptide.

The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % Formulation & - 8% trehalose is added as protectants before Reconstitution lyophilization. Please see Certificate of Analysis

for specific instructions of reconstitution. Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store

Storage & Shipping at -80°C (Avoid repeated freezing and thawing).

Lyophilized proteins are shipped at ambient

temperature.

P2RY12 encodes the P2Y purinoceptor 12, a G-protein coupled receptor (GPCR) that primarily responds to adenosine diphosphate (ADP). It couples to Gi proteins, leading to inhibition of adenylyl cyclase and reduction of intracellular cAMP levels. P2RY12 is highly expressed on platelets, where it plays an essential role in platelet activation, aggregation, and thrombus formation. It is the pharmacological target of

antiplatelet drugs such as clopidogrel, prasugrel, and ticagrelor. Beyond the circulatory system, P2RY12 is also expressed in microglia within the central nervous system, where it regulates microglial chemotaxis and homeostatic

responses. Dysregulation of P2RY12 is implicated in thrombosis, stroke, and neuroinflammation.

Usage Research use only Conjugate Unconjugated









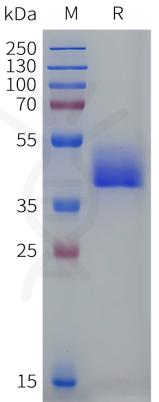
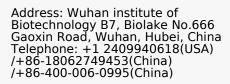


Figure 1. Human P2RY12 Protein, hFc Tag on SDS-PAGE under reducing condition.



Email: info@dimabio.com Website: www.dimabio.com

