

HDFP1160

## Product Information

**Product SKU:** HDFP1160      **Expression Host:** HEK293      **Size:** 10µg  
**Target:** P2Y12      **Tag:** C-Flag&Strep Tag

## Additional Information

**Conjugate:** Unconjugated      **Uniprot ID:** Q9H244  
**Molecular Weight:** The human full length P2Y12-Strep protein has a MW of 39.4 kDa

## Protein Information

**Background:** The product of this gene belongs to the family of G-protein coupled receptors. This family has several receptor subtypes with different pharmacological selectivity, which overlaps in some cases, for various adenosine and uridine nucleotides. This receptor is involved in platelet aggregation, and is a potential target for the treatment of thromboembolisms and other clotting disorders. Mutations in this gene are implicated in bleeding disorder, platelet type 8 (BDPLT8). Alternative splicing results in multiple transcript variants of this gene. [provided by RefSeq, Jul 2013]

**Synonyms:** ADPG-R, BDPLT8, HORK3, P2T(AC), P2Y(12)R, P2Y(AC), P2Y(ADP), P2Y(cyc), P2Y12, SP1999

**Protein Description:** Human P2Y12-Strep full length protein-synthetic nanodisc

**Formulation:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions. Do not use solvents with a pH below 6.5 or those containing high concentrations of divalent metal ions (greater than 5 mM) in subsequent experiments.

**Protein Pathways:** GPCRDB Class A Rhodopsin-like.

**Protein Families:** GPCR, Transmembrane, Druggable Genome.

**Usage:** Research use only

**Storage & Shipping:** 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 at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

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