

**HDFP423**

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## Product Information

<b>Product SKU:</b>	HDFP423	<b>Expression Host:</b>	HEK293	<b>Size:</b>	10µg
<b>Target:</b>	P2RY6	<b>Tag:</b>	C-Flag Tag		

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## Additional Information

<b>Conjugate:</b>	Unconjugated	<b>Uniprot ID:</b>	Q15077
<b>Molecular Weight:</b>	The human full length P2RY6 protein has a MW of 36.4kDa		

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## Protein Information

**Background:** The product of this gene belongs to the family of P2 receptors, which is activated by extracellular nucleotides and subdivided into P2X ligand-gated ion channels and P2Y 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, which is a G-protein coupled receptor, is responsive to UDP, partially responsive to UTP and ADP, and not responsive to ATP. It is proposed that this receptor mediates inflammatory responses. Alternative splicing results in multiple transcript variants that encode different protein isoforms. [provided by RefSeq, Mar 2013]

**Synonyms:** P2Y6

**Protein Description:** Human P2RY6 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, Nucleotide GPCRs, Cancer.

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

**Usage:** Research use only

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**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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