Nanodisc Human P2RY2-Strep Protein

HDFP1154

Product Information

Product SKU:	HDFP1154	**Expression Host**:	HEK293	**Size**:	10µg
Target:	P2RY2	**Tag**:	C-Flag&Strep Tag		

Additional Information

Conjugate:	Unconjugated
Uniprot ID:	P41231
Molecular Weight:	The human full length P2RY2-Strep protein has a MW of 42.3 kDa

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, found on many cell types, is activated by ATP and UTP and is reported to be overexpressed on some cancer cell types. It is involved in many cellular functions, such as proliferation, apoptosis and inflammation. Three transcript variants encoding the same protein have been identified for this gene. [provided by RefSeq, Mar 2013]
Synonyms:	HP2U, P2RU1, P2U, P2U1, P2UR, P2Y2, P2Y2R
Protein Description:	Human P2RY2-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, Nucleotide GPCRs, Cancer, Cell Cycle.
Protein Families:	GPCR, Transmembrane, Druggable Genome.
Usage:	Research use only

Contact Details | Dublin, Ireland
Email: techsupport@assaygenie.com | **Web:** www.assaygenie.com

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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