Nanodisc Human ADORA2A-Strep Protein



HDFP767

Product Information

HDFP767	Expression Host:	HEK293	S	Size:	10µg
ADORA2A	Tag:	C-Flag&Stre	р Тад		
nation					
Unconjugate	ed Unip	rot ID:	P29274		
ht: The human	full length ADORA2A	-Strep proteir	n has a MW	/ of 44.7 kDa	
	nation Unconjugate	ADORA2A Tag: nation Unconjugated Unip	ADORA2A Tag: C-Flag&Stree	ADORA2A Tag: C-Flag&Strep Tag nation Unconjugated Uniprot ID: P29274	ADORA2A Tag: C-Flag&Strep Tag nation Unconjugated Uniprot ID: P29274

Protein Information

- Background: A member of the guanine nucleotide-binding protein (G protein)-coupled receptor (GPCR) superfamily, which is subdivided into classes and subtypes. The receptors are seven-pass transmembrane proteins that respond to extracellular cues and activate intracellular signal transduction pathways. This protein, an adenosine receptor of A2A subtype, uses adenosine as the preferred endogenous agonist and preferentially interacts with the G(s) and G(olf) family of G proteins to increase intracellular cAMP levels. It plays an important role in many biological functions, such as cardiac rhythm and circulation, cerebral and renal blood flow, immune function, pain regulation, and sleep. It has been implicated in pathophysiological conditions such as inflammatory diseases and neurodegenerative disorders. Alternative splicing results in multiple transcript variants. A read-through transcript composed of the upstream SPECC1L (sperm antigen with calponin homology and coiled-coil domains 1-like) and ADORA2A (adenosine A2a receptor) gene sequence has been identified, but it is thought to be non-coding. Synonyms: A2aR; ADORA2; RDC8 **Protein Description**: Human ADORA2A-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:	Calcium signaling pathway, Neuroactive ligand-receptor interaction, Vascular				
	smooth muscle contraction.				
Protein Families:	GPCR.				
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.				