ADORA2A Protein-VLP, Human (HEK293)

Cat. No.:	HY-P700899
Synonyms:	ADORA2A; adenosine A2a receptor; ADORA2; adenosine receptor A2a; RDC8; adenosine A2 receptor; adenosine receptor subtype A2a; hA2aR;
Species:	Human
Source:	HEK293
Accession:	P29274 (M1-S412)
Gene ID:	135
Molecular Weight:	The target protein has a predicted MW of

PROPERTIES

Biological Activity	Immobilized Human A2AR VLP at 10μg/ml (100μl/Well) on the plate. Dose response curve for Anti-A2AR Antibody, hFc Tag with the EC_{50} of 0.87μg/ml determined by ELISA.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant before lyophilization.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The ADORA2A Protein-VLP, functioning as a receptor for adenosine, operates through G proteins to activate adenylyl cyclase. Its cytoplasmic C-terminal domain interacts directly with USP4 and GAS2L2, suggesting potential regulatory roles in cellular processes. Additionally, ADORA2A Protein-VLP may interact with DRD4 and NECAB2, further indicating its involvement in diverse cellular signaling pathways.

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