Human A2AR Protein-VLP

Cat. No. A2A-HM00R

Description

Source	Recombinant Human A2AR Protein-VLP is expressed from HEK293.
	It contains Met1-Ser412.
Accession	P29274
Molecular Weight	The target protein has a predicted MW of 45.5 kDa.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by HPLC

Formulation and Storage

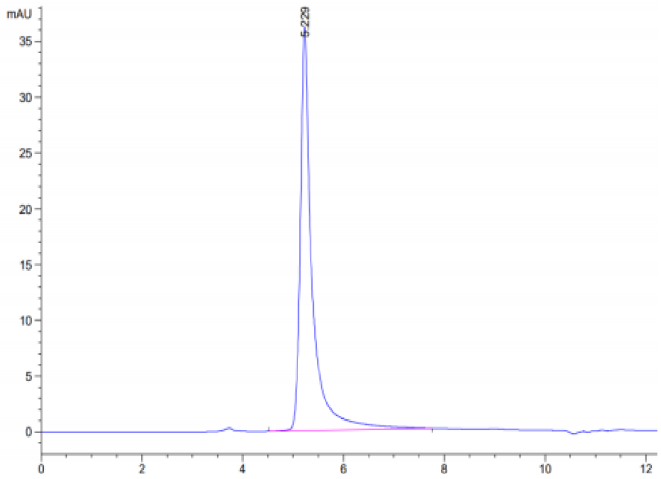
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20°C or lower for 12 months as supplied from date of receipt.2-8°C for 2-7 days after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Adenosine is a neuromodulator in the adult central nervous system. Membrane-bound receptors for adenosine have been identified and cDNAs for A1, A2a, A2b, and A3 adenosine receptor subtypes have been cloned recently.Expression of A2a adenosine receptor mRNA in cranial ganglia, carotid body, and intermediate lobe of the pituitary gland similarly suggests novel sites of adenosine action during development and in the adult.

Assay Data

SEC-HPLC



The purity of Human A2AR VLP is greater than 95% as determined by SEC-HPLC.

ELISA Data

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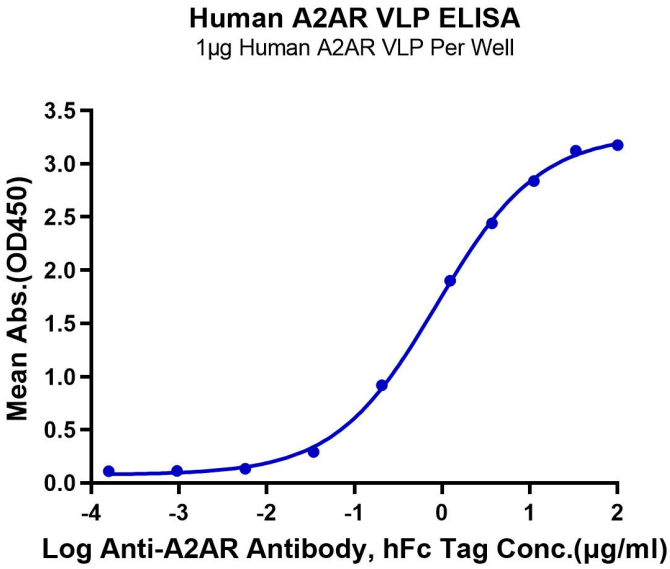
Assay Data



Immobilized Human A2AR VLP at 10μg/ml (100μl/Well) on the plate. Dose response curve for Anti-A2AR Antibody, hFc Tag with the EC50 of 0.87μg/ml determined by ELISA.