

## Human A2AR VLP

Cat. No. A2R-HM0P108



### Description

|                  |                                                                              |
|------------------|------------------------------------------------------------------------------|
| Source           | Recombinant Human A2AR VLP is expressed from HEK293.                         |
|                  | It contains Met1-Ser412 (It may have cross reaction with anti-His antibody). |
| Accession        | P29274                                                                       |
| Molecular Weight | The target protein has a predicted MW of 45.5 kDa.                           |
| Endotoxin        | Less than 1 EU per µg by the LAL method.                                     |
| Purity           | > 90% as determined by HPLC                                                  |

### Formulation and Storage

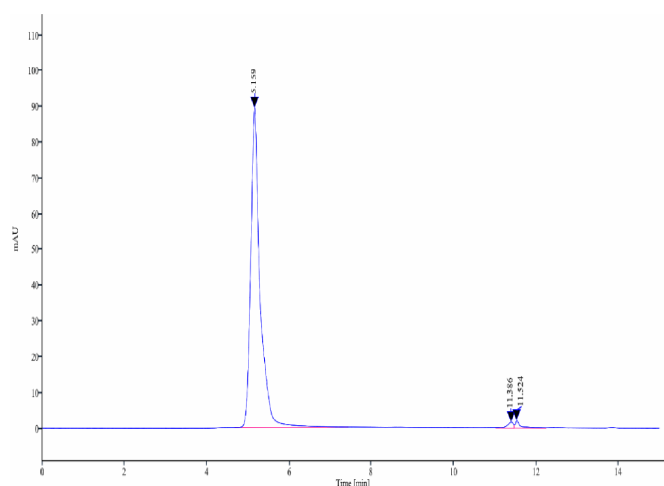
|             |                                                                                                                                                                                  |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Formulation | Supplied as 0.22µm filtered solution in PBS, 200mM L-Arginine (pH 7.4). Notice: If you need it for immunization, water-soluble adjuvant is recommended.                          |
| Storage     | Valid for 12 months from date of receipt when stored at -80°C. 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

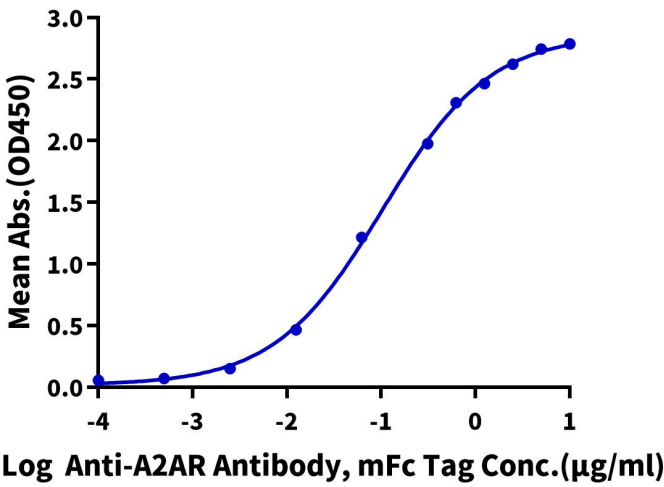


The purity of Human A2AR VLP is greater than 90% as determined by SEC-HPLC.

#### ELISA Data

Human A2AR VLP ELISA

0.5µg Human A2AR VLP Per Well



Immobilized Human A2AR VLP at 5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-A2AR Antibody, mFc Tag with the EC50 of 0.10µg/ml determined by ELISA.