# Human Cannabinoid receptor 1 Protein-VLP

**Cat. No.** CNR-HM001

## Description

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|---|---|
| **Source** | Recombinant Human Cannabinoid receptor 1 Protein-VLP is expressed from HEK293. |
| | It contains Met1-Leu472. |
| **Accession** | P21554-1 |
| **Molecular Weight** | The target protein has a predicted MW of 52.9 kDa. |
| **Endotoxin** | Less than 1EU per μg by the LAL method. |
| **Purity** | > 95% as determined by HPLC |

## Formulation and Storage

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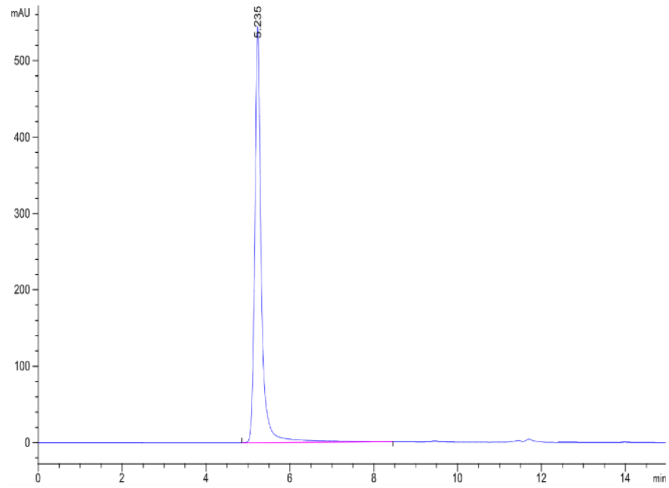
|---|---|
| **Formulation** | Supplied as 0.22μm filtered solution in PBS, 300mM L-Arginine (pH 7.4). Notice: If you need it for immunization, water-soluble adjuvant is recommended. |
| **Storage** | Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

## Background

The CB1 receptor also plays an important role in the gut-brain axis control of appetite and satiety. The combined effect of peripheral CB1 activation is to promote appetite, energy storage, and energy preservation (and the opposite is true for CB1 antagonists).

## Assay Data

**SEC-HPLC**




The purity of Human Cannabinoid receptor 1 VLP is greater than 95% as determined by SEC-HPLC.

**ELISA Data**

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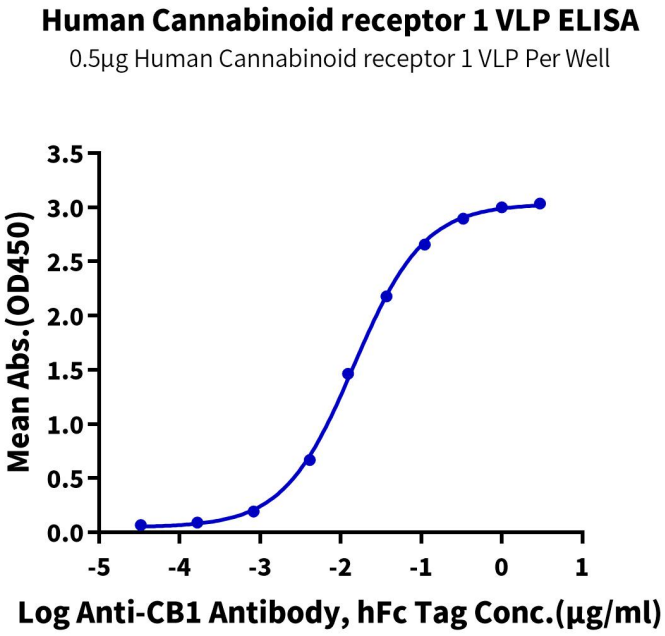
## Assay Data




Immobilized Human Cannabinoid receptor 1 VLP at 5μg/ml (100μl/well) on the plate. Dose response curve for Anti-CB1 Antibody, hFc Tag with the EC50 of 14.6ng/ml determined by ELISA.