

Human Cannabinoid receptor 1 Protein-VLP

Cat. No. CNR-HM001



Description

Source	Recombinant Human Cannabinoid receptor 1 Protein-VLP is expressed from HEK293.
	It contains Met1-Leu472 (It may have cross reaction with anti-His antibody).
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

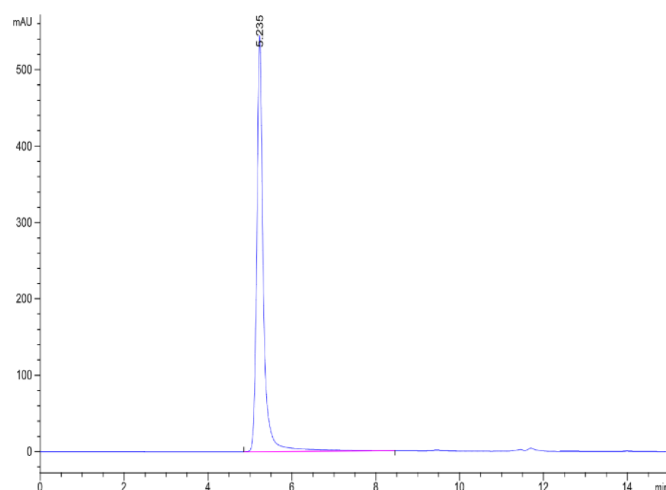
Formulation	Supplied as 0.22µm filtered solution in PBS, 300mM L-Arginine (pH 7.4). Notice: If you need it for immunization, water-soluble adjuvant is recommended.
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal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



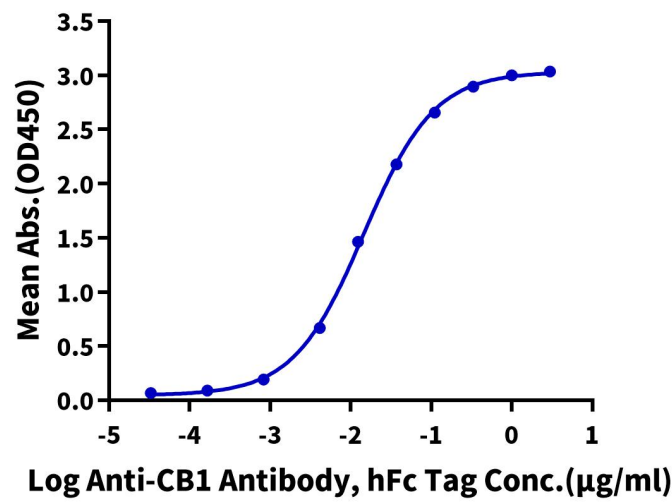
The purity of Human Cannabinoid receptor 1 VLP is greater than 95% as determined by SEC-HPLC.

ELISA Data

Assay Data

Human Cannabinoid receptor 1 VLP ELISA

0.5µg Human Cannabinoid receptor 1 VLP Per Well



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.