

Cannabinoid receptor 1 (CNR1) Recombinant Protein | CNR1 recombinant protein

Recombinant Human Cannabinoid receptor 1 (CNR1)-VLPs (Active)

CATALOG # AAA279268	HOST Mammalian cell
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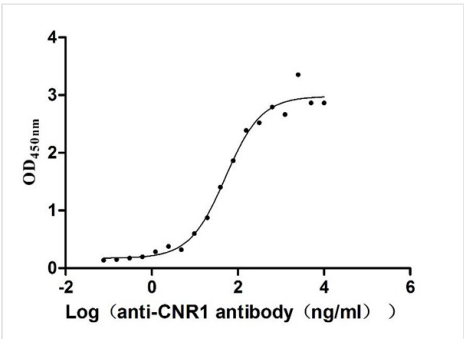
PRODUCT SYNONYMS

Cannabinoid receptor 1 (CNR1); Recombinant Human Cannabinoid receptor 1 (CNR1)-VLPs (Active); CB-R; CB1; CANN6; CNR1 recombinant protein

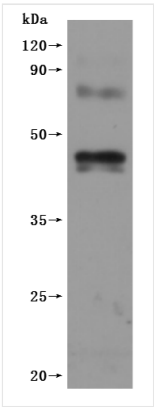
PRODUCT SPECIFICATIONS

Host	Mammalian cell
Purity/Purification	The purity information is not available for VLPs proteins.
Form/Format	Lyophilized powder Lyophilized from a 0.2 um filtered PBS, 6% Trehalose, pH 7.4
Sequence Positions	1-472aa; Full Length
Sequence	MKSILDGLAD TTFRTITDDL LYVGSNDIQY EDIKGDMASK LGYFPQKFPL TSFRGSPFQE KMTAGDNPQL VPADQVNITE FYNKSLSSFK ENEENIQCGE NFMDIECFMV LNPSQQLAIA VLSLTGTFE VLENLLVLCV ILHSRSLRCR PSYHFIGSLA VADLLGSVIF VYSFIDFHV HRKDSRNVFL FKLGGVTASF TASVGSFLT AIDRYISHR PLAYKRIVTR PKAVVAFCLM WTIAIVAVL PLLGWNCEKL QSVCSDFPH IDETYLMFWI GVTSVLLFI VYAYMYILWK AHSHAVRMIQ RGTQKSIIIH TSEDGKVQVT RPDQARMDIR LAKTLVLILV VLIICWGPLL AIMVYDVFGK MNKLIKTVFA FCSMLCLLNS TVNPPIYALR SKDLRHAFRS MFPSCEGTAQ PLDNSMGDSD CLHKHANNA SVHRAAESC KSTVKIAKVT MSVSTDTSAE AL
Species	Homo sapiens (Human)
Tag	C-terminal 10xHis-tagged (This tag can be tested only under denaturing conditions)
Research Area	Cardiovascular Less than 1.0 EU/ug as determined by LAL method.
Transmembrane Domain	7TM
Biological_Activity	Measured by its binding ability in a functional ELISA. Immobilized Human CNR1 at 10 ug/mL can bind Anti-CNR1 recombinant antibody, the EC50 is 41.72-63.54 ng/mL.
Preparation and Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 degree C/-80 degree C. The shelf life of lyophilized form is 12 months at -20 degree C/-80 degree C. We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. Aliquot for long-term storage at -80 degree C. Solubilize for 60 minutes at room temperature with occasional gentle mixing. Avoid vigorous shaking or vortexing. The VLPs are expressed from human 293 cells (HEK293). Mix the sample gently by repeatedly pipetting it up and down. Do not vortex. Repeated freezing and thawing is not recommended. Store the protein at -20 degree C/-80 degree C upon receiving it, and ensure to avoid repeated freezing and thawing, otherwise, it will affect the protein activity. The immunization strategy should be optimized (antigen dose, regimen and adjuvant).

IMAGES



Bioactivity
Activity Measured by its binding ability in a functional ELISA. Immobilized Human CNR1 at 10 ug/ml can bind Anti-CNR1 recombinant antibody, the EC50 is 41.72-63.54 ng/mL.



Application Data
is detected by Mouse anti-6*His monoclonal antibody.

ADDITIONAL INFORMATION

Product Categories/Family for CNR1 recombinant protein	MP-VLP Transmembrane Protein & Active Protein & In Stock Protein
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NCBI AND UNIPROT INFORMATION

NCBI GI #	237681067
NCBI GeneID	1268
NCBI Accession #	NP_001153698.1
NCBI GenBank Nucleotide #	NM_001160226.1
UniProt Accession #	P21554; Q13949; Q495Z0; Q4PLI4; Q4VBM6; Q5JVL5; Q5UB37; Q9UNN0; B2R9T4; E1P512
Molecular Weight	52,858 Da
NCBI Official Full Name	cannabinoid receptor 1 isoform a
NCBI Official Synonym Full Names	cannabinoid receptor 1 (brain)
NCBI Official Symbol	CNR1
NCBI Official Synonym Symbols	CB1; CNR; CB-R; CB1A; CB1R; CANN6; CB1K5
NCBI Protein Information	cannabinoid receptor 1; central cannabinoid receptor
UniProt Protein Name	Cannabinoid receptor 1
UniProt Gene Name	CNR1
UniProt Synonym Gene Names	CNR; CB-R; CB1
UniProt Entry Name	CNR1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.