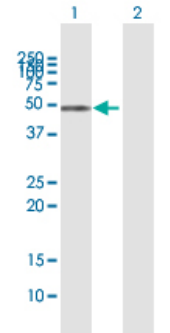
# CNR1 293T Cell Transient Overexpression Lysate(Denatured)

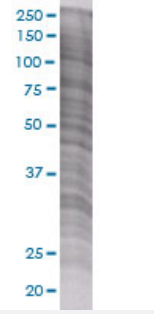
Catalog # H00001268-T01 Size 100 uL

## Applications




### Western Blot

Lane 1: CNR1 transfected lysate ( 52.9 KDa)
Lane 2: Non-transfected lysate.




### SDS-PAGE Gel

CNR1 transfected lysate.

## Specification

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|---|---|
| **Transfected Cell Line** | 293T |
| **Plasmid** | pCMV-CNR1 full-length |
| **Host** | Human |
| **Theoretical MW (kDa)** | 52.03 |
| **Quality Control Testing** | Transient overexpression cell lysate was tested with Anti-CNR1 antibody (H00001268-B01) by Western Blots.<br>Western Blot<br>Lane 1: CNR1 transfected lysate ( 52.9 KDa)<br>Lane 2: Non-transfected lysate.<br>SDS-PAGE Gel<br>CNR1 transfected lysate. |

| | |
|---|---|
| **Storage Buffer** | 1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue) |
| **Storage Instruction** | Store at -80°C. Aliquot to avoid repeated freezing and thawing. |

## Applications

- Western Blot

## Gene Info — CNR1

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|---|---|
| **Entrez GeneID** | 1268 |
| **GeneBank Accession#** | NM_016083 |
| **Protein Accession#** | NP_057167 |
| **Gene Name** | CNR1 |
| **Gene Alias** | CANN6, CB-R, CB1, CB1A, CB1K5, CB1R, CNR |
| **Gene Description** | cannabinoid receptor 1 (brain) |
| **Omim ID** | 114610 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | This gene encodes one of two cannabinoid receptors. The cannabinoids, principally delta-9-tetrahydrocannabinol and synthetic analogs, are psychoactive ingredients of marijuana. The cannabinoid receptors are members of the guanine-nucleotide-binding protein (G-protein) coupled receptor family, which inhibit adenylate cyclase activity in a dose-dependent, stereoselective and pertussis toxin-sensitive manner. The two receptors have been found to be involved in the cannabinoid-induced CNS effects (including alterations in mood and cognition) experienced by users of marijuana. Multiple transcript variants encoding two different protein isoforms have been described for this gene. [provided by RefSeq |
| **Other Designations** | OTTHUMP00000016838\|OTTHUMP00000016839\|OTTHUMP00000016840\|central cannabinoid receptor |

## Pathway

- Neuroactive ligand-receptor interaction

## Disease

- Acute Disease
- Affective Disorders
- Alcohol Withdrawal Delirium
- Alcohol Withdrawal Seizures
- Alcoholism
- Anorexia Nervosa
- Antisocial Personality Disorder
- Anxiety Disorders
- Arousal
- Asperger Syndrome
- Attention Deficit Disorder with Hyperactivity
- Autistic Disorder
- Bipolar Disorder
- Bulimia
- Carcinoma
- Cardiovascular Diseases
- Cocaine-Related Disorders
- Cognition Disorders
- Colitis
- Colorectal Neoplasms
- Crohn Disease
- Cues
- Delirium
- Depressive Disorder
- Diabetes Mellitus

- Disease Models
- Disease Progression
- Dyslipidemias
- Eating Disorders
- Edema
- Epilepsy
- Esophageal Neoplasms
- Genetic Predisposition to Disease
- Heart Diseases
- Heroin Dependence
- Inflammation
- Insulin Resistance
- Liver Cirrhosis
- Low Back Pain
- Marijuana Abuse
- Mental Disorders
- Metabolic Syndrome X
- Migraine Disorders
- Mood Disorders
- Multiple Sclerosis
- Myocardial Infarction
- NARP
- Neovascularization
- Neuropsychological Tests
- Neurotic Disorders
- Obesity

- Osteoporosis
- Ovarian Failure
- Pain
- Paranoid Disorders
- Parkinson disease
- Polycystic Ovary Syndrome
- Psychiatric Status Rating Scales
- Psychotic Disorders
- Puberty
- Schizophrenia
- Sciatica
- Seizures
- Social Perception
- Stress Disorders
- Substance Withdrawal Syndrome
- Substance-Related Disorders
- Thrombophilia
- Tobacco Use Disorder
- Tourette Syndrome
- Weight Gain
- Weight Loss