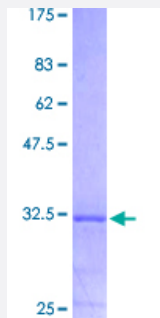


CNR2 (Human) Recombinant Protein (Q01)

Catalog # H00001269-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CNR2 partial ORF (NP_001832.1, 302 a.a. - 360 a.a.) recombinant protein with GST tag at N-terminal.
Sequence	RSGEIRSSAHHCLAHWKKCVRGLGSEAKEEAPRSSVTETeadgKITPWPDSRDLSDLSDC
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	32.12
Interspecies Antigen Sequence	Mouse (74); Rat (66)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CNR2

Entrez GeneID	1269
GeneBank Accession#	NM_001841.1
Protein Accession#	NP_001832.1
Gene Name	CNR2
Gene Alias	CB2, CX5
Gene Description	cannabinoid receptor 2 (macrophage)
Omim ID	605051
Gene Ontology	Hyperlink
Gene Summary	The cannabinoid delta-9-tetrahydrocannabinol is the principal psychoactive ingredient of marijuana. The proteins encoded by this gene and the cannabinoid receptor 1 (brain) (CNR1) gene have the characteristics of a guanine nucleotide-binding protein (G-protein)-coupled receptor for cannabinoids. They inhibit adenylate cyclase activity in a dose-dependent, stereoselective, and pertussis toxin-sensitive manner. These proteins have been found to be involved in the cannabinoid-induced CNS effects (including alterations in mood and cognition) experienced by users of marijuana. The cannabinoid receptors are members of family 1 of the G-protein-coupled receptors. [provided by RefSeq]
Other Designations	OTTHUMP00000015772 OTTHUMP00000044841

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Anorexia Nervosa](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Bulimia](#)
- [Cardiovascular Diseases](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Liver Cirrhosis](#)
- [Myocardial Infarction](#)
- [NARP](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Schizophrenia](#)
- [Startle Reaction](#)
- [Substance-Related Disorders](#)