

## Cnr1 Mouse Cannabinoid Receptor 1

<b>Catalog No.</b>	CSM1036MP	<b>Quantity:</b>	10 mg
	CSM1036PR		50 µg

**Description:** The cannabinoid type 1 receptor is a G protein-coupled receptor located in the central and peripheral nervous system. It is activated by the endocannabinoid neurotransmitters anandamide and 2-arachidonoylglycerol and by plant and synthetic cannabinoids, including the principle psychoactive constituent of marijuana - THC (tetrahydrocannabinol). Upon activation, Cnr1 receptor exhibits its effects mainly through activation of Gi, which decreases intracellular cAMP concentration by inhibiting its production enzyme, adenylate cyclase, and increases mitogen-activated protein kinase (MAP kinase) concentration.

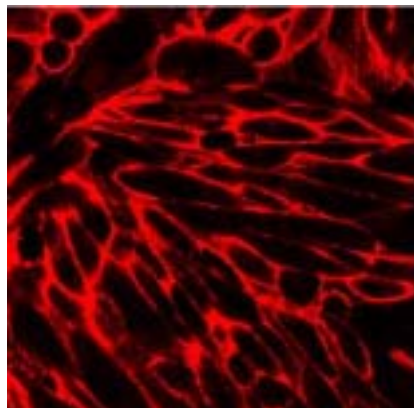
The receptor is available in the following formats: stable over-expression cell line, membrane preparation, or purified receptor in HEK293 or CHO. Various tagged versions are available.

**Gene ID:** 12801  
**UniProtKB:** P47746  
**Format:** Cell line, membrane preparation, or purified protein  
**Source:** HEK 293 or CHO cells

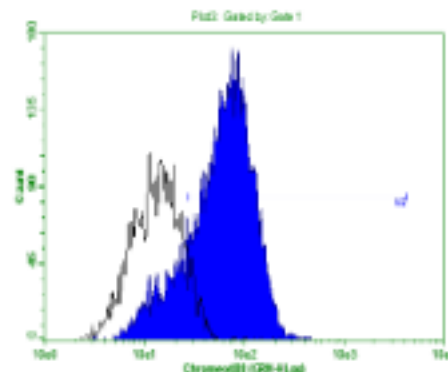
**Characterization:** Expression of receptor was verified by immunostaining. Receptor demonstrates biological activity when tested in a radioligand assay.

**Affinity Tag Options:** Receptor construct: Cnr1 is available in 2xTwinStrep-tag

Mouse cannabinoid receptor 1 was stably overexpressed in CHO cells and expression was assessed by immunostaining with StrepTactin Chromeo 546



Mouse cannabinoid receptor 1 was stably overexpressed in CHO cells and expression was assessed by flow cytometry with StrepTactin Chromeo 488



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