

CHRM1

Human Muscarinic Acetylcholine Receptor M1

Catalog No.	CSH1023MP	Quantity:	10 mg
	CSH1023PR		50 µg

Alternate Names: Cholinergic Receptor Muscarinic 1, HM1, M1R, M1

Description: Muscarinic acetylcholine receptors, or mAChRs, are acetylcholine receptors that form G protein-coupled receptor complexes in the cell membranes of certain neurons and other cells. Muscarinic receptors are so named because they are more sensitive to muscarine than to nicotine. The muscarinic receptors, M1 to M5, have a widespread distribution in the body. M1 and M2, and to a lesser extent M5, are present in the CNS. M1 receptors mediate excitatory effects, whereas M2 receptors have mainly inhibitory effects, and a predominantly presynaptic location.

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: 1128

UniProtKB: P11229

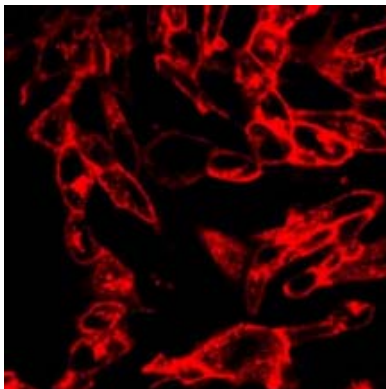
Format: Cell line, membrane preparation, or purified protein

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: M1 is 2X Twin-Strep tagged and HIS tagged.

Human muscarinic acetylcholine receptor M1 was stably expressed in CHO cells and receptor expression was assessed by immuno-staining with Strep-Tactin Chromeo 546



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