

CHRM1 Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM02008

Basic Information

Catalog No.

RM02008

Category

Cell Lysate

Parental Cell line

HeLa

Genotype

Knockout

Gene Information

Gene Symbol

CHRM1

Species

Human

Gene ID

1128

Swiss Prot

P11229

Synonyms

HM1; M1; M1R

Contact

☎ | 400-999-6126

✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

Background

The muscarinic cholinergic receptors belong to a larger family of G protein-coupled receptors. The functional diversity of these receptors is defined by the binding of acetylcholine and includes cellular responses such as adenylate cyclase inhibition, phosphoinositide degeneration, and potassium channel mediation. Muscarinic receptors influence many effects of acetylcholine in the central and peripheral nervous system. The muscarinic cholinergic receptor 1 is involved in mediation of vagally-induced bronchoconstriction and in the acid secretion of the gastrointestinal tract. The gene encoding this receptor is localized to 11q13. [provided by RefSeq, Jul 2008]

Product Information

Description

CHRM1 Knockout HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.

Allele-1:137bp deletion in exon1

Allele-2:2bp deletion and 1bp insertion in exon1

Mammalian cells such as human, rat and mouse cells are normally diploid with two alleles. Homozygote: both alleles were knocked out, mRNA has no signal, no expression of proteins. Heterozygote: only one allele was knocked out, the mRNA transcript levels was decreased compared to wild type, and the protein expression levels was also lower than that of the wild type.

Packaging

1 vial parental cell Lysate and 1 vial knockout cell Lysate

Shipping Conditions

4°C

Amount

50μL, 2μg/μL.

Storage

Lysate is stable for 12 months when stored at -20°C. Minimizing freeze-thaw cycles.

Protocol

To be used as WB control. Lysate is supplied in 1× SDS sample buffer (2% SDS, 60 mM Tris-HCl pH 6.8, 10% Glycerol, 0.02% Bromophenol blue, 60 mM beta-mercaptoethanol). Lysate should be boiled for 3 - 5 minutes before loading onto gel.

Sequencing data

WT CGGGCCTCCTGTCG*****TACCACGTACCTGC
Mut CGGGCCTCCTGTCG***Deletion***TACCACGTACCTGC
Allele-1: 137bp deletion in exon1

WT TGTCG CTAGC***CTCTA*****CCACGTACCTGC
Mut TGTCGCTAGC***CTCTA**Deletion**CCACGTACCTGC
Allele-2: 2bp deletion and 1bp Insertion in exon1

Genome sequence analysis of PCR products from parental (WT) and CHRM1 knockout (KO) HeLa cells, using sanger sequencing.