

G α 15.

TRANSFECTION: Full-length human MCHR2 cDNA (Accession Number: AY562946.1)

GROWTH MEDIA: DMEM containing 4.5 g/L glucose/10% heat inactivated fetal bovine serum/1x nonessential amino acids/10 mM HEPES/0.25 mg/ml Geneticin (G418)/100 U/ml each penicillin and streptomycin

PRESENTATION:

STORAGE/HANDLING:

Cells are frozen at 2×10^6 cells/mL in DMEM/20% fetal bovine serum/100 U/ml penicillin and streptomycin/10% DMSO. Cell line tests negative for mycoplasma.

Place cells in liquid nitrogen immediately upon receipt. Maintain frozen in liquid nitrogen for up to 5 years. Thaw cells rapidly by removing from liquid nitrogen and immediately immersing in a 37°C water bath. Immediately after ice has thawed, sterilize the exterior of the vial with 70% ethanol. Transfer contents of the vial to a T75 flask containing growth media, and replace media after 8-24 h. Cells are typically passaged 1:10 every 3-4 days, and should be passaged at least once after thawing prior to use in calcium flux assays.

REFERENCES:

An S. *et al.* (2001) Identification and characterization of a melanin-concentrating hormone receptor. *Proc. Natl. Acad. Sci. USA* 98: 7576-7581.

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Borowsky B., *et al.* (2002) Antidepressant, anxiolytic and anorectic effects of a melanin-concentrating hormone-1 receptor antagonist. *Nat. Med.* 8: 825-30.

Ludwig D.S., *et al.* (2001) Melanin-concentrating hormone overexpression in transgenic mice leads to obesity and insulin resistance. *J. Clin. Invest.* 107: 379-86

Marsh D.J., *et al.* (2002) Melanin-concentrating hormone 1 receptor-deficient mice are lean, hyperactive, and hyperphagic and have altered metabolism. *Proc. Natl. Acad. Sci. USA* 99: 3240-5.

Segal-Lieberman G., *et al.* (2003) Melanin-concentrating hormone is a critical mediator of the leptin-deficient phenotype. *Proc. Natl. Acad. Sci. USA* 100: 10085-90.

Tan C.P. *et al.* (2002) Melanin-concentrating hormone receptor subtypes 1 and 2: species specific gene expression. *Genomics* 79: 785-792.

Important Note: During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 μ L or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.

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