

## Recombinant Human MCHR2 293 Cell Lysate

Cat. No. MCHR2-4423HCL Lot. No. (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	Antigen standard for melanin-concentrating hormone receptor 2 (MCHR2), transcript variant 2 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
<b>Components</b>	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
<b>Size</b>	0.1 mg
<b>Storage Instruction</b>	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
<b>Applications</b>	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

mixture at room temperature for 30 min). Load 5 ug lysate per lane.

## GENE INFORMATION

<b>Gene Name</b>	MCHR2 melanin-concentrating hormone receptor 2 [ Homo sapiens ]
<b>Official Symbol</b>	MCHR2
<b>Synonyms</b>	MCHR2; melanin-concentrating hormone receptor 2; G protein coupled receptor 145 , GPR145; MCH2; MCH2R; SLT; MCH receptor 2; G protein-coupled receptor 145; G protein-coupled receptor slt; G-protein coupled receptor 145; melanin-concentrating hormone 2; GPR145; GPRv17; MCH-2R; MCH-R2; MCHR-2;
<b>Gene ID</b>	84539
<b>mRNA Refseq</b>	NM_001040179
<b>Protein Refseq</b>	NP_001035269
<b>MIM</b>	606111
<b>UniProt ID</b>	Q969V1
<b>Chromosome Location</b>	6q16
<b>Pathway</b>	Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; G alpha (i) signalling events, organism-specific biosystem; G alpha (q) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; GPCRs, Other, organism-specific biosystem; Neuroactive ligand-receptor interaction, organism-

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specific biosystem;

**Function**

G-protein coupled receptor activity; receptor activity; signal transducer activity;

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