

Proteoliposomes

Full-Length

MC4R (Human) Recombinant Protein

Catalog # H00004160-G01

Size 2 ug

Specification

Product Description

Human MC4R full-length ORF (NP_005903.2) recombinant protein without tag.
This product is belong to Proteoliposome (PL).

Sequence

MVNSTHRGMHTSLHLWNRSSYRLHSNASESLGKGYSDDGGCYEQLFVSPEVFVTLGVISLLENILVI
VAIAKNKNLHSPMYFFICSLAVADMLVSVSNGSETVITLLNSTDTDAQSFTVNIDNVIDSVICSSLLA
SICSLLSIAVDRYFTIFYALQYHNIMTVKRVGIIISCIIWAACVSGILFIYSDSSAVIICLITMFFTMLALMA
SLYVHMFMLMARLHIKRIAVLPGTGAIKQGANMKGAITLTILIGVFVVCWAPFFLHLIFYISCPQNPYCV
CFMSHFNLYLIMCNSIIDPLIYALRSQELRKTFKEIICCYPLGGLCDLSSRY

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

36.9

Interspecies Antigen Sequence

Mouse (94); Rat (94)

Form

Liquid

Preparation Method

[in vitro wheat germ expression system with proprietary liposome technology](#)

Purification

None

Recommend Usage

Heating may cause protein aggregation. Please do not heat this product before electrophoresis.

Storage Buffer

25 mM Tris-HCl of pH8.0 containing 2% glycerol.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Antibody Production

Gene Info — MC4R

Entrez GeneID	4160
GeneBank Accession#	NM_005912.2
Protein Accession#	NP_005903.2
Gene Name	MC4R
Gene Alias	MGC126851, MGC138197
Gene Description	melanocortin 4 receptor
Omim ID	155541 601665
Gene Ontology	Hyperlink
Other Designations	OTTHUMP00000163654

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Anorexia Nervosa](#)
- [Apnea](#)
- [Appetite](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Birth Weight](#)
- [Body Weight](#)
- [Bulimia](#)
- [Cachexia](#)

- [Cardiovascular Diseases](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Drug Toxicity](#)
- [Eating Disorders](#)
- [Edema](#)
- [Epilepsy](#)
- [Failure to Thrive](#)
- [Fatty Liver](#)
- [Gastrointestinal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Hyperandrogenism](#)
- [Hypercholesterolemia](#)
- [Hyperinsulinism](#)
- [Hyperphagia](#)
- [Hypertension](#)
- [Hypertriglyceridemia](#)
- [Inflammation](#)
- [Insulin Resistance](#)
- [Leukemia](#)
- [Lymphoma](#)
- [Metabolic Syndrome X](#)

- [Microsatellite Instability](#)
- [NARP](#)
- [Neoplasms](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Overweight](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Satiety Response](#)
- [Sleep Apnea](#)
- [Spasms](#)
- [Thinness](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)
- [Weight Gain](#)
- [Weight Loss](#)