

Proteoliposomes

Full-Length

MC3R (Human) Recombinant Protein

Catalog # H00004159-G01

Size 2 ug

Specification

Product Description

Human MC3R full-length ORF (NP_063941.2) recombinant protein without tag.
This product is belong to Proteoliposome (PL).

Sequence

MSIQKTYLEGDFVFPVSSSSFLRTLLEPQLGSALLTAMNASCCLPVQPTLPNGSEHLQAPFFSN
QSSSAFCEQVFIKPEVFLSLGMSLLENILVILAVVRNGNLHSPMYFFLCSLAVADMLVSVSNALETI
MIANVHSDYLT FEDQFIQHMDNIFDSMICISLVASICNLLAIAVD RYVTIFYALRYHSIMTVRKALTLVAI
WVCCGVCGVVFMVYSESKMVMVCLITMFFAMMLLMGTLVYHMF LFARLHV KRIAALPPADGVAPQ
QHSCMKGAVTITILLGVFIFCWAPFFLHLVLIITCPTNPYCICYTAHFNTYLVLMCNSVIDPLIYAFRSL
ELRNTFREILCGCNGMNLG

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

40.1

Interspecies Antigen Sequence

Mouse (89); Rat (91)

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 — MC3R

Entrez GeneID	4159
GeneBank Accession#	NM_019888.2
Protein Accession#	NP_063941.2
Gene Name	MC3R
Gene Alias	BMIQ9, MC3, MC3-R
Gene Description	melanocortin 3 receptor
Omim ID	155540 601665
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a G-protein-coupled receptor for melanocyte-stimulating hormone and adreno corticotropic hormone that is expressed in tissues other than the adrenal cortex and melanocytes. This gene maps to the same region as the locus for benign neonatal epilepsy. Mice deficient for t his gene have increased fat mass despite decreased food intake, suggesting a role for this gene product in the regulation of energy homeostasis. Mutations in this gene are associated with a susceptibility to obesity in humans. [provided by RefSeq]
Other Designations	-

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Anorexia Nervosa](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Body Weight](#)
- [Bulimia](#)
- [Diabetes Mellitus](#)
- [Drug Toxicity](#)

- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypercholesterolemia](#)
- [Hyperinsulinism](#)
- [Insulin Resistance](#)
- [NARP](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Pleasure](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Sleep Apnea](#)
- [Thinness](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)
- [Tuberculosis](#)
- [Weight Loss](#)