

Recombinant Human MC3R Protein, His&GST-tagged

Cat. No. MC3R-1769H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MC3R Protein (Met1-Asp117) with N-His&GST tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Asp117
Description	This gene encodes a G-protein-coupled receptor for melanocyte-stimulating hormone and adrenocorticotrophic 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 this 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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 42.9 kDa Accurate Molecular Mass: 43 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	MC3R melanocortin 3 receptor [Homo sapiens (human)]
Official Symbol	MC3R
Synonyms	MC3R; melanocortin 3 receptor; melanocortin receptor 3; MC3; Obesity quantitative trait locus; OB20; OQTL; BMIQ9; MC3-R;
Gene ID	4159
mRNA Refseq	NM_019888
Protein Refseq	NP_063941
MIM	155540
UniProt ID	P41968

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