Recombinant Human MC5R Protein, His-tagged

Cat. No. MC5R-2428H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MC5R Protein (Met1-Gly37+Leu98-Ile114+Tyr180-Val186+Gln266-Phe273) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Gly37+Leu98-Ile114+Tyr180-Val186+Gln266-Phe273
Description	This gene encodes a member of the seven-pass transmembrane G protein-coupled melanocortin receptor protein family that stimulate cAMP signal transduction. The encoded protein is a receptor for melanocyte-stimulating hormone and adrenocorticotropic hormone and is suggested to play a role in sebum generation.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 11.5 kDa Accurate Molecular Mass: 12 kDa
Endotoxin	<1.0 EU per 1μg (determined by the LAL method).
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

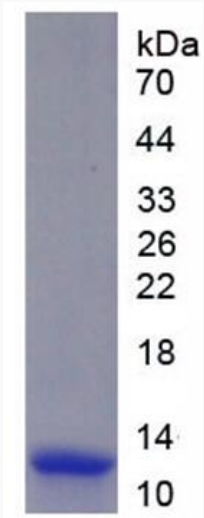
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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. 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 ddH2O to a concentration of 0.1-0.5 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	MC5R melanocortin 5 receptor [Homo sapiens (human)]
Official Symbol	MC5R
Synonyms	MC5R; melanocortin 5 receptor; melanocortin receptor 5; melanocortin-5 receptor; MC2;
Gene ID	4161
mRNA Refseq	NM_005913
Protein Refseq	NP_005904
MIM	600042
UniProt ID	P33032

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