

Recombinant Human AGRP Protein, His-tagged

Cat. No. AGRP-94H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human AGRP Protein (Gly20-Ser130) with N-His tag was expressed in 293F.
Species	Human
Source	HEK293
ProteinLength	Gly20-Ser130
Description	This gene encodes an antagonist of the melanocortin-3 and melanocortin-4 receptor. It appears to regulate hypothalamic control of feeding behavior via melanocortin receptor and/or intracellular calcium regulation, and thus plays a role in weight homeostasis. Mutations in this gene have been associated with late on-set obesity.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 13.8 kDa Accurate Molecular Mass: 16 kDa
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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

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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

20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name

AGRP agouti related protein homolog (mouse) [Homo sapiens (human)]

Official Symbol

AGRP

Synonyms

AGRP; agouti related protein homolog (mouse); agouti (mouse) related protein; agouti-related protein; Agrt; ART; ASIP2; AGRT

Gene ID

181

mRNA Refseq

NM_001138

Protein Refseq

NP_001129

MIM

602311

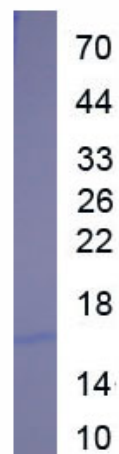
UniProt ID

O00253

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