

Recombinant Mouse Agrp protein, His-tagged

Cat. No. Agrp-6781M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Agrp aa. (Val21~Thr131 (Accession # P56473)) fused with N-terminal His tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Val21~Thr131
Description	This gene encodes a protein that regulates feeding behavior and plays a key role in the control of body weight. The encoded protein acts as an antagonist of melanocortin receptor signaling. Alternatively spliced transcript variants have been observed for this gene.
Form	Freeze-dried powder
Molecular Mass	14kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 8.6.
Applications	SDS-PAGE; WB; ELISA; IP.

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Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as liquid form in Phosphate buffered saline(PBS), pH7.4.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	Agrp agouti related neuropeptide [Mus musculus (house mouse)]
Official Symbol	Agrp
Synonyms	Art; Agrt; orexigenic neuropeptide; agouti-related protein
Gene ID	11604
mRNA Refseq	NM_001271806.1
Protein Refseq	NP_001258735.1
UniProt ID	P56473

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