

## Recombinant Human AGRP, His-tagged

Cat. No. AGRP-9483H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human AGRP protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	C-term-113a.a.
<b>Description</b>	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.
<b>Source</b>	E.coli
<b>Species</b>	Human
<b>Tag</b>	His
<b>Storage</b>	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
<b>Storage Buffer</b>	1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

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## GENE INFORMATION

<b>Gene Name</b>	AGRP agouti related protein homolog (mouse) [ Homo sapiens ]
<b>Official Symbol</b>	AGRP
<b>Synonyms</b>	AGRP; agouti related protein homolog (mouse); agouti (mouse) related protein; agouti-related protein; Agrt; ART; ASIP2; AGRT;
<b>Gene ID</b>	181
<b>mRNA Refseq</b>	NM_001138
<b>Protein Refseq</b>	NP_001129
<b>MIM</b>	602311
<b>UniProt ID</b>	O00253
<b>Chromosome Location</b>	16q22
<b>Pathway</b>	Adipocytokine signaling pathway, organism-specific biosystem; Adipocytokine signaling pathway, conserved biosystem; Syndecan-3-mediated signaling events, organism-specific biosystem;
<b>Function</b>	neuropeptide hormone activity; receptor binding;

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