

## Recombinant Human AGRP, His-tagged

Cat. No. AGRP-3650H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Total 128 AA. MW: 14.4 kDa (calculated). N-Terminal His-tag, 16 extra AA (highlighted).
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	Agouti-related protein also called Agouti-related peptide (AgRP) is a neuropeptide produced in the brain by the AgRP/NPY neuron. It is only synthesised in NPY containing cell bodies located in the ventromedial part of the arcuate nucleus in the hypothalamus.
<b>Form</b>	Filtered (0,4 µm) and lyophilized in 0.5 mg/mL in 5mM TRIS, 25mM NaCl, pH 7.5.
<b>Purity</b>	>95%
<b>Research topic</b>	Energy metabolism and body weight regulation.
<b>Reconstitution</b>	Add deionized water to prepare a working stock solution of approximately 0.5 mg/mL and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.
<b>Applications</b>	ELISA; Western blotting
<b>Quality Control Test</b>	BCA to determine quantity of the protein; SDS PAGE to determine purity of the

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	protein
<b>Sequences of amino acids</b>	MKHHHHHHHM LVPRGSAQMG LAPMEGIRRP DQALLPELPG LGLRAPLKKT TAEQAEEDLL QEAQALAEVL DLQDREPRSS RRCVRLHESC LGQQVPCCDP CATCYCRFFN AFCYCRKLG T AMNPCSRT
<b>Storage</b>	Store lyophilized protein at -20°C. Lyophilized protein remains stable until the expiry date when stored at -20°C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80°C for long term storage. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after one week at 4°C.
<b>Pathways</b>	Adipocytokine signaling pathway; Syndecan-3-mediated signaling events
<b>GENE INFORMATION</b>	
<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); ART; AGRT; ASIP2; Agrt; MGC118963; agouti-related protein; OTTHUMP00000174803
<b>Gene ID</b>	181
<b>mRNA Refseq</b>	NM_001138
<b>Protein Refseq</b>	NP_001129
<b>MIM</b>	602311

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<b>UniProt ID</b>	O00253
<b>Chromosome Location</b>	16q22
<b>Function</b>	neuropeptide hormone activity; receptor binding
<b>Agouti protein</b>	

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