

Recombinant Human AGRP, His-tagged

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

SPECIFICATION

Product Overview	Total 128 AA. MW: 14.4 kDa (calculated). N-Terminal His-tag, 16 extra AA (highlighted).
Species	Human
Source	E.coli
Description	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.
Form	Filtered (0,4 µm) and lyophilized in 0.5 mg/mL in 5mM TRIS, 25mM NaCl, pH 7.5.
Purity	>95%
Research topic	Energy metabolism and body weight regulation.
Reconstitution	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.
Applications	ELISA; Western blotting
Quality Control Test	BCA to determine quantity of the protein; SDS PAGE to determine purity of the

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	protein
Sequences of amino acids	MKHHHHHHHM LVPRGSAQMG LAPMEGIRRP DQALLPELPG LGLRAPLKKT TAEQAEEDLL QEAQALAEVL DLQDREPRSS RRCVRLHESC LGQQVPCCDP CATCYCRFFN AFCYCRKLG T AMNPCSRT
Storage	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.
Pathways	Adipocytokine signaling pathway; Syndecan-3-mediated signaling events

GENE INFORMATION

Gene Name	AGRP agouti related protein homolog (mouse) [Homo sapiens]
Official Symbol	AGRP
Synonyms	AGRP; agouti related protein homolog (mouse); ART; AGRT; ASIP2; Agrt; MGC118963; agouti-related protein; OTTHUMP00000174803
Gene ID	181
mRNA Refseq	NM_001138
Protein Refseq	NP_001129
MIM	602311

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

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