Active Recombinant Human AGRP

Cat. No. AGRP-890H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human AGRP (Accession # O00253) Ser83-Thr132, fused with , was produced in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ser83-Thr132
Predicted N Terminal	Ser83
Form	Lyophilized from a 0.2 μm filtered solution in PBS.
Bio-activity	Measured by its ability to antagonize alpha -MSH-induced cAMP accumulation in HEK293 human embryonic kidney cells transfected with human Melanocortin-4 Receptor. Ollmann, M.M. et al. (1997) Science 278:135.The ED50 for this effect is typically 0.03-0.15 μg/mL in the presence of 10 ng/mL of alpha -MSH.
Molecular Mass	Recombinant Human AGRP has a calculated MW of 5.6 kDa.
Purity	>97%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4ºC); After reconstitution under sterile conditions for 3 months (-70ºC).

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GENE INFORMATION

Gene Name	AGRP agouti related protein homolog (mouse) [Homo sapiens]
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
Chromosome Location	16q22

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