

AGRP Protein, Mouse (50a.a, HEK293, Fc)

Cat. No.:	HY-P75524
Synonyms:	Agouti-related protein; AGRP; AGRT; ART
Species:	Mouse
Source:	HEK293
Accession:	NP_031453.1 (S82-T131)
Gene ID:	11604
Molecular Weight:	Approximately 35 kDa

PROPERTIES

AA Sequence	S P R R C V R L H E S C L G Q Q V P C C D P C A T C Y C R F F N A F C Y C R K L G T A T N L C S R T
Biological Activity	Data is not available.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The AGRP gene encodes a protein crucial for the regulation of feeding behavior and plays a key role in controlling body weight. Functioning as an antagonist of melanocortin receptor signaling, the encoded protein is involved in intricate pathways that govern appetite and metabolic balance. Multiple alternatively spliced transcript variants of this gene have been identified, contributing to the complexity of its regulatory functions. The expression of AGRP is widespread, with presence observed in various tissues, including the testis and placenta in adults, indicating its systemic involvement in physiological processes beyond the central nervous system.
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Caution: Product has not been fully validated for medical applications. For research use only.

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