

AGRP Protein, Mouse (131a.a, HEK293, Fc)

Cat. No.:	HY-P75525
Synonyms:	Agouti-related protein; AGRP; AGRT; ART
Species:	Mouse
Source:	HEK293
Accession:	P56473 (M1-T131)
Gene ID:	11604
Molecular Weight:	Approximately 41 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
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	<p>The AGRP protein plays a crucial role in maintaining weight homeostasis. It is involved in the regulation of feeding behavior through the central melanocortin system. AGRP acts as an antagonist of alpha melanocyte-stimulating hormone by inhibiting cAMP production mediated by the stimulation of melanocortin receptors in the hypothalamus and adrenal gland. It exhibits minimal activity with MC5R but functions as an inverse agonist for MC3R and MC4R, effectively suppressing their constitutive activity. AGRP also promotes the endocytosis of MC3R and MC4R in an arrestin-dependent manner. Furthermore, it interacts with melanocortin receptors MC3R, MC4R, and MC5R.</p>
------------	---

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA