

AGRP Protein, Rhesus Macaque (HEK293, Fc)

Cat. No.:	HY-P75566
Synonyms:	Agouti-related protein; AGRP; AGRT; ART
Species:	Rhesus Macaque
Source:	HEK293
Accession:	XP_001091740 (S83-T132)
Gene ID:	698479
Molecular Weight:	Approximately 32.3 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	AGRP protein plays a crucial role in body weight balance and regulates feeding behavior through the central melanocortin system. AGRP is an alpha-melanocyte stimulating hormone antagonist that inhibits cAMP production mediated by stimulation of melanocortin receptors within the hypothalamus and adrenal glands. AGRP can act as an inverse agonist of MC3R and MC4R, inhibiting their constituent activity. AGRP promotes endocytosis of MC3R and MC4R in an inhibitory dependent manner ^{[1][2][3]} .
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Caution: Product has not been fully validated for medical applications. For research use only.

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