

Recombinant Human Agouti-related protein(AGRP)

Catalog No: #AP70016

Package Size: #AP70016-1 20ug #AP70016-2 100ug #AP70016-3 1mg

Description

Product Name	Recombinant Human Agouti-related protein(AGRP)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:21-132aaSequence Info:Full Length
Accession No.	O00253
Calculated MW	28.5 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	AQMGLAPMEGIRRPDQALLPELPGLGLRAPLKTTAEQAEEDLLQEAQALAEVLDLQDREPRSSRRRCVRLHE SCLGQQVPCCDPCATCYCRFFNAFCYCRKLG TAMNPCSRT
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Plays a role in weight homeostasis. Involved in the control of feeding behavior through the central melanocortin syst. Acts as alpha melanocyte-stimulating hormone antagonist by inhibiting cAMP production mediated by stimulation of melanocortin receptors within the hypothalamus and adrenal gland. Has very low activity with MC5R . Is an inverse agonist for MC3R and MC4R being able to suppress their constitutive activity. It promotes MC3R and MC4R endocytosis in an arrestin-dependent manner.

References

Functional analysis of the Ala67Thr polymorphism in agouti related protein associated with anorexia nervosa and leanness.de Rijke C.E., Jackson P.J., Garner K.M., van Rozen R.J., Douglas N.R., Kas M.J., Millhauser G.L., Adan R.A.Biochem. Pharmacol. 70:308-316(2005)Research Topic:Cardiovascular

Note: This product is for in vitro research use only and is not intended for use in humans or animals.