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37-1059: Human AGRP Recombinant Protein (Fc Tag)(Discontinued)

Reactivity : Human
Alternative Name : AGRT Protein, ART Protein, ASIP2 Protein,

Description

Source : HEK293 Cells
Agouti Related Protein (AGRP, or AGRT), is an endogenous antagonist of the melanocortin receptors MC3R and MC4R found in the hypothalamus and exhibits potent orexigenic activity. AGRP can act as a competitive antagonist to proopiomelanocortin (POMC)-derived peptides at the melanocortin-4 receptor (MC4R), and that this homeostatic mechanism is important as a means of coordinating appetite with perceived metabolic requirement. AGRP is upregulated by fasting while intracerebroventricular injections of synthetic AGRP lead to increased appetite and food intake. Thus, AGRP is a powerful orexigenic peptide that increases food intake when ubiquitously overexpressed or when administered centrally.

Product Info

Amount :	Human AGRP Recombinant Protein (Fc Tag)(Discontinued) / 100 µg
Purification :	> 85 % as determined by SDS-PAGE.
Content :	Formulation Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Storage condition :	Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Amino Acid :	Ser85-Thr132

Application Note

Endotoxin :< 1.0 EU per µg protein as determined by the LAL method.

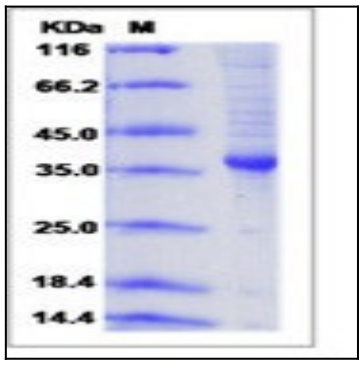


Fig 1: Human AGRP Recombinant Protein (Fc Tag)

For Research Use Only. Not for use in diagnostic/therapeutics procedures.