

[Go to Product page](#)

Datasheet for ABIN7194184 AGRP Protein (Fc Tag)

Overview

Quantity:	50 µg
Target:	AGRP
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This AGRP protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Human AgRP/AGRP Protein (Fc Tag)
Sequence:	Met 1-Thr 132
Characteristics:	A DNA sequence encoding the human AgRP (NP_001129.1) (Met 1-Thr 132) was expressed with the fused Fc region of human IgG1 at the C-terminus.
Purity:	> 97 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	AGRP
Alternative Name:	AgRP/AGRP (AGRP Products)
Background:	Background: 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)-

Target Details

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.

Synonym: AGRT,ART,ASIP2

Molecular Weight: 39 kDa

NCBI Accession: [NP_001129](#)

Pathways: [Feeding Behaviour](#), [Photoperiodism](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.2

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.