Datasheet for ABIN7194185
AGRP Protein (Fc Tag)

1 Image

Overview

Quantity:	200 μg
Target:	AGRP
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This AGRP protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Mouse AgRP/AGRP Protein (Fc Tag)
Sequence:	Met1-Thr131
Characteristics:	A DNA sequence encoding the mouse AGRP (Met1-Thr131) was expressed with the Fc region of human IgG1 at the C-terminus.
Purity:	> 85 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per μg of the protein 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

Molecular Weight:	39.4 kDa
NCBI Accession:	NP_031453
Pathways:	Feeding Behaviour, Photoperiodism

Application Details

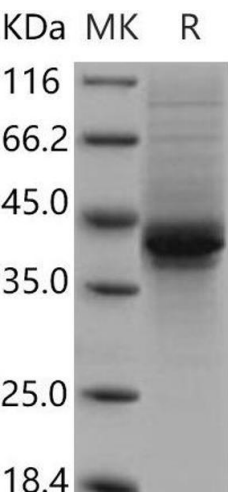|	
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
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.

Images

KDa	MK	R
116		
66.2		
45.0		
35.0		
25.0		
18.4		

Western Blotting

Image 1.