

Datasheet for ABIN7194187

**AGRP Protein (His tag)**[Go to Product page](#)**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 His tag.

## Product Details

Purpose:	Recombinant Mouse AgRP/AGRP Protein (His Tag)
Sequence:	Met 1-Thr 131
Characteristics:	A DNA sequence encoding the extracellular domain of mouse AGRP (P56473) (Met 1-Thr 131) was expressed, with a C-terminal polyhistidine tag.
Purity:	> 80 % 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 ( <a href="#">AGRP Products</a> )
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: 13.7 kDa

UniProt: [P56473](#)

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

## Application Details

Restrictions: For Research Use only

## Handling

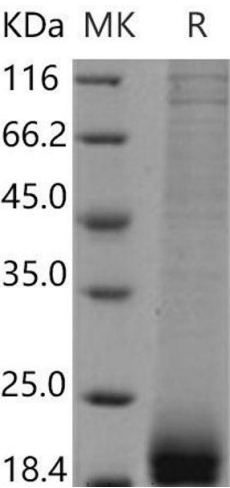
Format: Lyophilized

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.



Western Blotting

Image 1.