Datasheet for ABIN7194186

# AGRP Protein (His tag)

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## Overview

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

## Product Details

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| Purpose: | Recombinant Human AgRP/AGRP Protein (His Tag) |
| Sequence: | Met 1-Thr 132 |
| Characteristics: | A DNA sequence encoding the human AgRP (NP_001129.1) (Met 1-Thr 132) was expressed,with a polyhistidine tag at the C-terminus. |
| Purity: | > 90 % as determined by reducing SDS-PAGE. |
| Endotoxin Level: | < 1.0 EU per µg as determined by the LAL method. |

## Target Details

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| 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

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| | 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.<br>Synonym: AGRT,ART,ASIP2 |
| Molecular Weight: | 14 kDa |
| NCBI Accession: | NP_001129 |
| Pathways: | Feeding Behaviour, Photoperiodism |

## Application Details

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| Restrictions: | For Research Use only |

## Handling

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| 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. |