



Recombinant Protein Technical Manual
Recombinant Human AgRP/AGRP Protein (His Tag)
RPES2346

Product Data:

Product SKU: RPES2346

Size: 10µg

Species: Human

Expression host: HEK293 Cells

Uniprot: NP_001129.1

Protein Information:

Molecular Mass: 14 kDa

AP Molecular Mass: 169 kDa

Tag: C-His

Bio-activity:

Purity: > 90 % as determined by reducing SDS-PAGE.

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

Storage: 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.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from sterile PBS, pH 7.2

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

Application:

Synonyms: AGRT;ART;ASIP2

Immunogen Information:

Sequence: Met 1-Thr 132

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)-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.