

Product information

AGRP, 21-132aa

Human, His-tagged, Recombinant, *E.coli*

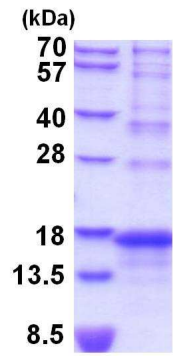
Cat. No. IBATGP3018

Full name: Agouti-related protein

NCBI Accession No.: NP_001129

Synonyms: AGRT, ART, ASIP2

Description: AGRP, also known as agouti-related protein also called agouti-related peptide, is a neuropeptide produced in the brain by the AGRP/NPY neuron. It is only synthesised in NPY-containing cell bodies located in the ventromedial part of the arcuate nucleus in the hypothalamus. AGRP is co-expressed with Neuropeptide Y and works by increasing appetite and decreasing metabolism and energy expenditure. It is one of the most potent and long-lasting of appetite stimulators. Recombinant human AGRP, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

<p>Form: Liquid. In 20mM Tris-HCl (pH 8.5) containing 20% glycerol, 1mM DTT.</p> <p>Molecular Weight: 15.1kDa (137aa) confirmed by MALDI-TOF.</p> <p>Purity: > 85% by SDS - PAGE</p> <p>Concentration: 0.25mg/ml (determined by Bradford assay)</p>	 <p>15% SDS-PAGE (3ug)</p>
<p>Sequences of amino acids:</p> <p><u>MGSSHHHHHH</u> <u>SSGLVPRGSH</u> <u>MGSHMAQMGL</u> APMEGIRRPD QALLPELPGL GLRAPLKKT AEQAEEDLLQ EAQALAEVLD LQDREPRSSR RCVRLHESCL GQQVPCCDPC ATCYCRFFNA FCYCRKLGTA MNPCSR</p>	

General references:

Xiao E, Xia-Zhang L, *et al.*(2003). *Endocrinology*. 144(5):1736-41.

Creemers JW, Pritchard LE, *et al.* (2006). *Endocrinology*. 147(4):1621-31.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.