

## Product datasheet for **TP317144L**

### AGRP (NM\_001138) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human agouti related protein homolog (mouse) (AGRP), transcript variant 1, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC217144 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	 MLTAAVLSCALLLALPATRGAQMGLAPMEGIRRPDQALLPELPGLGLRAPLKTTAEQAEEDLLQEAQAL AEVLDLQDREPRSSRRCVRLHESCLGQQVPCCDPCATCYCRFFNAFCYCRKLG TAMNPCSRT  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	12.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u><a href="#">NP_001129</a></u>
Locus ID:	181
UniProt ID:	<u><a href="#">O00253</a></u> , <u><a href="#">C6SUN5</a></u>
RefSeq Size:	783



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Cytogenetics: 16q22.1

RefSeq ORF: 396

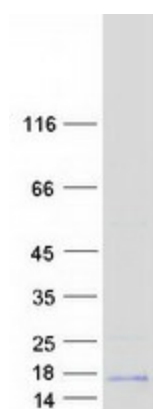
Synonyms: AGRT; ART; ASIP2

**Summary:** This gene encodes an antagonist of the melanocortin-3 and melanocortin-4 receptor. It appears to regulate hypothalamic control of feeding behavior via melanocortin receptor and/or intracellular calcium regulation, and thus plays a role in weight homeostasis. Mutations in this gene have been associated with late on-set obesity. [provided by RefSeq, Dec 2009]

**Protein Families:** Druggable Genome, Secreted Protein

**Protein Pathways:** Adipocytokine signaling pathway

### Product images:



Coomassie blue staining of purified AGRP protein (Cat# [TP317144]). The protein was produced from HEK293T cells transfected with AGRP cDNA clone (Cat# [RC217144]) using MegaTran 2.0 (Cat# [TT210002]).