

Product datasheet for PH317144

AGRP (NM_001138) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	AGRP MS Standard C13 and N15-labeled recombinant protein (NP_001129)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC217144
Predicted MW:	14.4 kDa
Protein Sequence:	>RC217144 protein sequence Red=Cloning site Green=Tags(s) MLTAAVLSCALLLALPATRGAQMGLAPMEGIRRPDQALLPELPGLGLRAPLKTTAEQAEEDLLQEAQAL AEVLDLQDREPRSSRRCVRLHESCLGQQVPCDCPCATCYCRFFNAFCYCRKLG TAMNPCSRT TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_001129
RefSeq Size:	783
RefSeq ORF:	396
Synonyms:	AGRT; ART; ASIP2
Locus ID:	181
UniProt ID:	O00253 , C6SUN5
Cytogenetics:	16q22.1



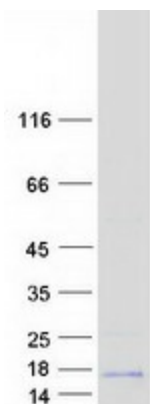
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Summary: This gene encodes an antagonist of the melanocortin-3 and melanocortin-4 receptor. It appears to regulate hypothalamic control of feeding behavior via melanocortin receptor and/or intracellular calcium regulation, and thus plays a role in 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]).