

Product datasheet for PA503X

Agouti-related protein / AGRP Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Agouti-related protein / AGRP human protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MKHHHHHHHM LVPRGSAQMG LAPMEGIRRP DQALLPELPG LGLRAPLKKT TAEQAEEDLL QEAQALAEVL DLQDREPRSS RRCVRLHESC LGQQVPCCDP CATCYCRFFN AFCYCRKLG T AMNPCSRT
Concentration:	lot specific
Purity:	>95%
Buffer:	Presentation State: Purified State: Lyophilized purified protein Buffer System: 5 mM TRIS, 25 mM NaCl, pH 7.5
Reconstitution Method:	Restore with deionized water
Preparation:	Lyophilized purified protein
Applications:	ELISA. Western Blot.
Protein Description:	Total 128 AA. MW: 14.4 kDa (calculated). N-Terminal His-tag, 16 extra AA (highlighted).
Storage:	Store lyophilized (preferably in a desiccator) at -20°C and in aliquots at -80°C. Reconstituted antibody can be stored at 4°C for a limited period of time; it does not show decline in activity after two weeks at 4°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001129
Locus ID:	181
UniProt ID:	O00253 , C6SUN5
Cytogenetics:	16q22.1
Synonyms:	AGRT; ART; ASIP2



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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: