APLP-1 Protein, Human (171a.a, HEK293, His)

Cat. No.:	HY-P7502
Synonyms:	rHuAmyloid-like Protein 1, His; APLP-1; Amyloid-like Protein 1
Species:	Human
Source:	HEK293
Accession:	P51693 (G42-P212)
Gene ID:	333
Molecular Weight:	18-20 kDa

PROPERTIES

AA Sequence	G G S P G A A E A P G S A Q V A G L C G R L T L H R D L R T G R W E P D P Q R S R R C L R D P Q R V L E Y C R Q M Y P E L Q I A R V E Q A T Q A I P M E R W C G G S R S G S C A H P H H Q V V P F R C L P G E F V S E A L L V P E G C R F L H Q E R M D Q C E S S T R R H Q E A Q E A C S S Q G L I L H G S G M L L P C G S D R F R G V E Y V C C P P H H H H H H
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against PBS, 1 mM EDTA, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O or PBS.
Storage & Stability	Stored at -20°C. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer. It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Human APLP-1 gene has been mapped to the long arm of chromosome 19 in the same region containing a late-onset familial AD locus. APLP1 is a member of the amyloid precursor family. Increased APLP1 expression and revealed the presence of amyloid-β diffuse plaques.

REFERENCES

[1]. Guilarte TR, et al. APLP1, Alzheimer's-like pathology and neurodegeneration in the frontal cortex of manganese-exposed non-human primates. Neurotoxicology. 2010

Sep;31(5):572-4.

[2]. Guilarte TR, et al. Increased APLP1 expression and neurodegeneration in the frontal cortex of manganese-exposed non-human primates. J Neurochem. 2008 Jun;105(5):1948-59.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA