

## APBA3 Protein, Human (His)

<b>Cat. No.:</b>	HY-P7522
<b>Synonyms:</b>	rHuAPBA3, His; Amyloid beta A4 precursor protein-binding family A member 3; APBA3
<b>Species:</b>	Human
<b>Source:</b>	E. coli
<b>Accession:</b>	O96018 (M1-L138)
<b>Gene ID:</b>	9546
<b>Molecular Weight:</b>	Approximately 20.0 kDa

### PROPERTIES

<b>AA Sequence</b>	<p>M D F P T I S R S P      S G P P A M D L E G      P R D I L V P S E D      L T P D S Q W D P M</p> <p>P G G P G S L S R M      E L D E S S L Q E L      V Q Q F E A L P G D      L V G P S P G G A P</p> <p>C P L H I A T G H G      L A S Q E I A D A H      G L L S A E A G R D      D L L G L L H C E E</p> <p>C P P S Q T G P E E      P L E P A P R L H H      H H H H</p>
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized after extensive dialysis against 20 mM PB, 150 mM NaCl, pH 7.2.
<b>Endotoxin Level</b>	<1 EU/μg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
<b>Storage &amp; Stability</b>	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	<p>APBA3 is a third member of the X11 protein family interacting with Alzheimer's <math>\beta</math>-amyloid precursor protein (APP). The gene spans about 11 kb and is composed of 10 coding exons and one untranslated exon. The APBA3 was localized by radiation hybrid mapping to chromosome 19.</p> <p>APBA3 contains PDZ (DHR) domains and 1 PID domain and interacts with the Alzheimer's disease amyloid precursor protein. APBA3 is widely expressed in many tissues and exhibiting lower levels in brain and testis<sup>[1]</sup>.</p>
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### REFERENCES

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[1]. H Tanahashi, et al. Genomic organization of the human X11L2 gene (APBA3), a third member of the X11 protein family interacting with Alzheimer's beta-amyloid precursor protein. Neuroreport. 1999 Aug 20;10(12):2575-8.

[2]. Toshiro Hara, et al. Deletion of the Mint3/Apba3 gene in mice abrogates macrophage functions and increases resistance to lipopolysaccharide-induced septic shock. J Biol Chem

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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