

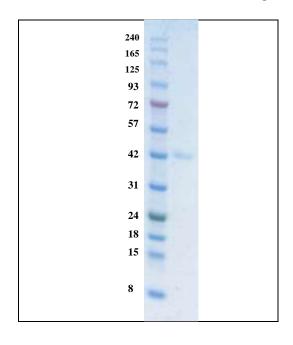
## Clonetex Systems Inc.

## **DATA SHEET**

<b>Protein Name:</b> Amyloid Precursor Protein α (304-612), Secreted	<b>Protein ID:</b> sAPPα)	Catalog# 104
human_(sAPPα 304-612)	Fusion tag(s): Poly-Histidine tag at N-terminus.	
Accession# NP_000475.1	<b>Description:</b> Amyloid β protein (Aβ) is one of the major componen	its of senile plaques in
Molecular Weight: 39 kDa.	the brain of Alzheimer disease patients and is derived Amyloid precursor protein (APP), through the action	from its precursor
Source: Homo Sapiens (Human). A synthetic construct encoding the Secreted human (sAPPα from amino acid 304-612) was expressed with an N-terminal polyhistidine tag.	The APP is proteolytically processed to generate either amyloid peptide $(A\beta)$ or the secreted ectodomain APP Secreted amyloid precursor protein- $\alpha$ (sAPP $\alpha$ ) has seen the stimulation of neurite outgrowth, memory enhance level is reduced during the pathogenesis of Alzheimer 1.Selkoe, D.J. Translating cell biology into the appearance of Alzheimer's disease. <i>Nature</i> <b>399</b> , A23–A31 (1999).	er the neurotoxic beta- P alpha (sAPPα) (2). Veral functions including mement (3), however, its 's disease,
Expression Host: E. coli	2 Tackenberg C Nitsch R M The secreted APP eco	todomain sAPPa but not

- 2. Tackenberg, C., Nitsch, R.M. The secreted APP ectodomain sAPP $\alpha$ , but not sAPP $\beta$ , protects neurons against A $\beta$  oligomer-induced dendritic spine loss and increased tau phosphorylation. *Mol Brain* **12**, 27 (2019).
- 3. Small DH, Nurcombe V, Reed G, Clarris H, Moir R, et al. (1994) A heparin-binding domain in the amyloid protein precursor of Alzheimer's disease is involved in the regulation of neurite outgrowth. J Neurosci 14: 2117–2127.

Coomassie-blue stained SDS-PAGE under reducing conditions.



Purity: 95%.

Mercaptoehtanol.

Supplied in buffer: 50 mM Tris-

HCl [pH 8.0] + 10% Glycerol +

250 mM NaCl and 5 mM β-