

Supplementary Data

Potential Utility of Soluble p3-Alcadein α Plasma Levels as a Biomarker for Sporadic Alzheimer's Disease

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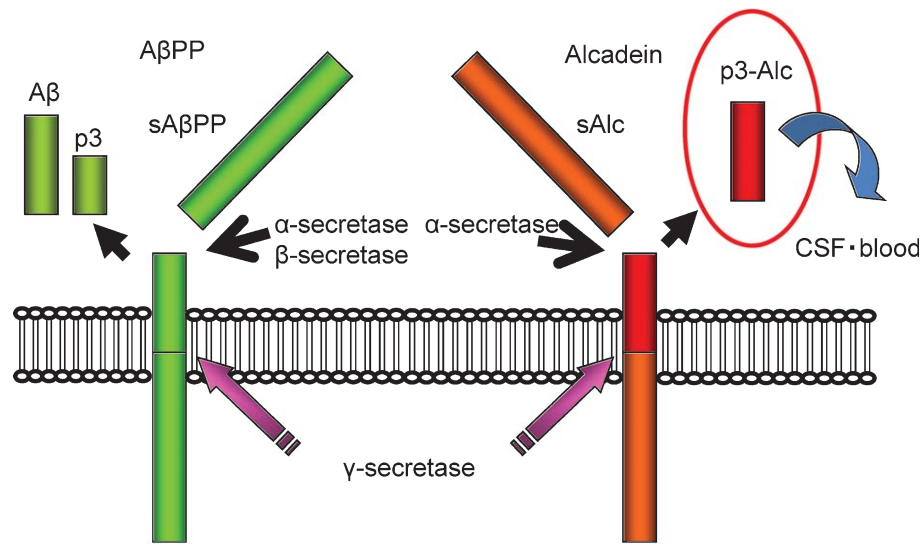
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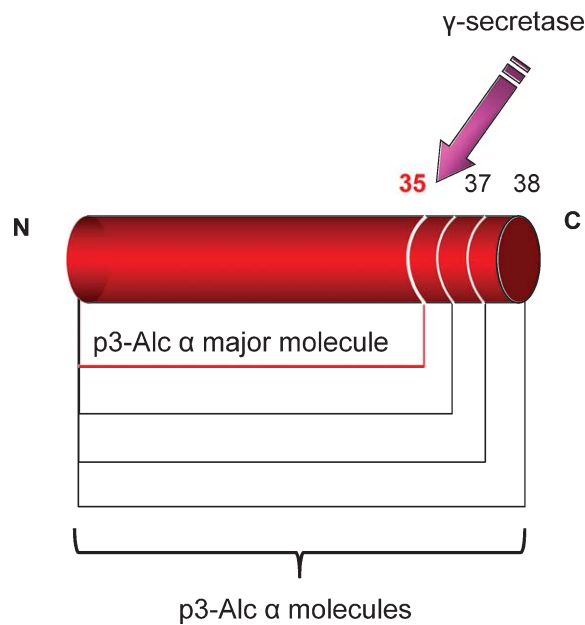
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Accepted 13 April 2012

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Supplementary Figure 1. Schematic diagram of amyloid- β precursor protein (A β PP) and Alcadein α (Alc α) metabolisms. Alc α is cleaved successively by α -secretase followed by γ -secretase, resulting in the release of p3-Alc α . Since p3-Alc α is not aggregated like amyloid- β (A β), p3-Alc α is detectable in human cerebrospinal fluid (CSF) and blood [1, 2].



Supplementary Figure 2. Schematic diagram of p3-Alc α fragments following γ -secretase cleavage. p3-Alc α 35 (p3-Alc α 35), a peptide that includes the sequence from Ala817 to Thr852 of Alcadein α 1, is a major molecule of p3-Alc α γ -secretase cleavage. Functional alteration of the enzyme can increase minor molecules [1, 3].

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