

**Product Name:** Amyloid Precursor C-Terminal Peptide

Catalog No.: A1004

Batch No.: 1

## Description:

Amyloid precursor c-terminal peptide (APP) (C<sub>86</sub>H<sub>118</sub>N<sub>20</sub>O<sub>27</sub>S<sub>1</sub>) has the amino acid sequence Gly-Tyr-Glu-Asn-Pro-Thr-Tyr-Lys-Phe-Phe-Glu-Gln-Met-Gln-Asn. Although it has been implicated as a regulator of synapse formation, neural plasticity and iron export, the primary function of APP is not known. APP is best known as the precursor molecule whose proteolysis generates beta amyloid (A $\beta$ ), a 37 to 49 amino acid peptide whose amyloid fibrillar form is the primary component of amyloid plaques found in the brains of Alzheimer's disease patients. So it is a possible contributor to Alzheimer's pathogenesis through MAPKs- and NF- $\kappa$  B-dependent astrocytosis. Recently, APP origin was demonstrated with arthritogenic animals. Also, it induces secondary inflammation, which may cause local damage.

## Technical Data:

**Molecular Formula:** C<sub>86</sub>H<sub>118</sub>N<sub>20</sub>O<sub>27</sub>S<sub>1</sub>

**Molecular Weight (MW) :** 1896.04

**One Letter Sequence:** H2N-GYENPTYKFFEQMQN-OH

**Three Letter Sequence:** H2N-Gly-Tyr-Glu-Asn-Pro-Thr-Tyr-Lys-Phe-Phe-Glu-Gln-Met-Gln-Asn-OH

**Purity:** >98%

## Return Policy:

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