

# PE-01AAH80-P

## APP (586-595) Peptide Powder

10-mer peptide based on APP



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### Target Protein

|                        |   |
|------------------------|---|
| <b>Name Long:</b>      | Amyloid beta A4 protein   |
| <b>Name Alias:</b>     | A4; ABPP; AD1; Alzheimer disease amyloid protein; Alzheimer's disease amyloid protein; Amyloid beta (A4) precursor protein; APPI; Beta-amyloid protein 40; Beta-amyloid protein 42; C31; C83; Cerebral vascular amyloid peptide; CVAP; Gamma-CTF(50); Gamma-CTF(57); Gamma-CTF(59); P3(40); P3(42); Peptidase nexin-II; PN-II; PreA4; Protease nexin-II; Soluble APP-alpha (S-APP-alpha); Soluble APP-beta (S-APP-beta) |
| <b>Species Origin:</b> | Human   |
| <b>UniProt ID:</b>     | P05067  |

### Peptide Structure

|                                     |                                      |
|-------------------------------------|--------------------------------------|
| <b>Peptide Name:</b>                | APP (586-595)                        |
| <b>Peptide Origin:</b>              | Internal sequence in target protein. |
| <b>Peptide Sequence Location:</b>   | I586-P595                            |
| <b>Peptide Sequence:</b>            | ISYGN DALMP                          |
| <b>Peptide N-Terminus:</b>          | Free amino                           |
| <b>Peptide C-Terminus:</b>          | Amide                                |
| <b>Peptide Modifications Other:</b> | None                                 |

### Production

|                                   |   |
|-----------------------------------|---|
| <b>Peptide Production Method:</b> | Solid-phase peptide synthesis   |
| <b>Calculated Peptide Mass:</b>   | 1079.2  |
| <b>% Peptide Purity:</b>          | > 80  |
| <b>Peptide Appearance:</b>        | White powder  |
| <b>Peptide Form:</b>              | Solid   |
| <b>Peptide Solubility:</b>        | Dissolve in 50 µl DMSO and dilute to desired concentration with water or aqueous buffer |
| <b>Lot Number:</b>                | USP01BKV  |
| <b>Amount:</b>                    | 1 mg  |
| <b>Storage Conditions:</b>        | Frozen at -20 °C  |
| <b>Storage Stability:</b>         | Over 1 year at -20 °C   |

### Applications

|                     |   |
|---------------------|---|
| <b>Product Use:</b> | Peptide has a gelatinase A inhibitory activity slightly higher than that of sAPP. |
|---------------------|---|

This product is for in vitro research use only and is not intended for use in humans or animals.

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