# beta-Amyloid Peptide (1-40) (human) ab120479

## Overview

**Product name**  
beta-Amyloid Peptide (1-40) (human)

**Description**  

**Biological description**  
One of the two main alloforms of the amyloid beta peptide widely implicated in Alzheimer's disease. Displays neuroprotective properties preventing neuronal death.

**CAS Number**  
131438-79-4

**Chemical structure**  
\[
\text{C}_{194}\text{H}_{295}\text{N}_{53}\text{O}_{58}\text{S}
\]

**Sequence**  
DAEFRHDSGYEVHHQKLVFFAEDVGSNKGAIIGLMVGGVV

**Storage instructions**  
Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.

**Solubility overview**  
Soluble in DMSO to 1 mg/ml.

**Handling**  
Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one week. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions (FAQ) page](https://www.abcam.com/support/faq) for more details.

**Source**  
Synthetic

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### Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Molecular weight</td>
<td>4329.86</td>
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<tr>
<td>Molecular formula</td>
<td>( \text{C}<em>{194}\text{H}</em>{295}\text{N}<em>{53}\text{O}</em>{58}\text{S} )</td>
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**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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