

Product Datasheet

Beta-Amyloid (1-42) Human peptide (orb216483)

Description	Beta-Amyloid (1-42) Human peptide
Form/Appearance	Lyophilized powder
Storage	Shipped at 4°C. Store at -20°C for one year.
Note	For research use only
Application notes	Aβ 1-42, 42-residue fragment of amyloid precursor protein, has been found to be a major constituent of the senile plaques formed in the brains of patients with Alzheimer's disease and late Down's syndrome. Aβ 1-42 readily forms neurotoxic oligomers at physiological pH. The sequence corresponds to the human, bovine, canine, feline, ovine, guinea pig, and rabbit Aβ42 peptide. The peptide has been used to detect amyloid β-protein multimers in the cerebrospinal fluid of Alzheimer's disease patients through fluorescence correlation spectroscopy.
Protein Sequence	H-Asp-Ala-Glu-Phe-Arg-His-Asp-Ser-Gly-Tyr-Glu-Val-His-His-Gln-Lys-Leu-Val-Phe-Phe-Ala-Glu-Asp-Val-Gly-Ser-Asn-Lys-Gly-Ala-Ile-Ile-Gly-Leu-Met-Val-Gly-Gly-Val-Val-Ile-Ala-OH
Formula	C ₂₀₃ H ₃₁₁ N ₅₅ O ₆₀ S
Purity	> 95%
Source	Synthetic
MW	4514.14
CAS Number	107761-42-2
Expiration Date	12 months from date of receipt.

