

Beta-Amyloid (1-42), Human

Catalog #	Source	Reactivity	Applications
CCP1100	Synthetic		
Description	Peptide to Beta-Amyloid (1-42), Human		
Biological Description	<p>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.</p>		
Form	Lyophilized powder		
CAS Number	107761-42-2		
Molecular Formula	C203H311N55O60S		
Molecular Weight	4514.14		
Purity	> 95%		
Chemical Structure	<p>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</p>		
Storage/Stability	Shipped at 4°C. Store at -20°C for one year.		
Structure			

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

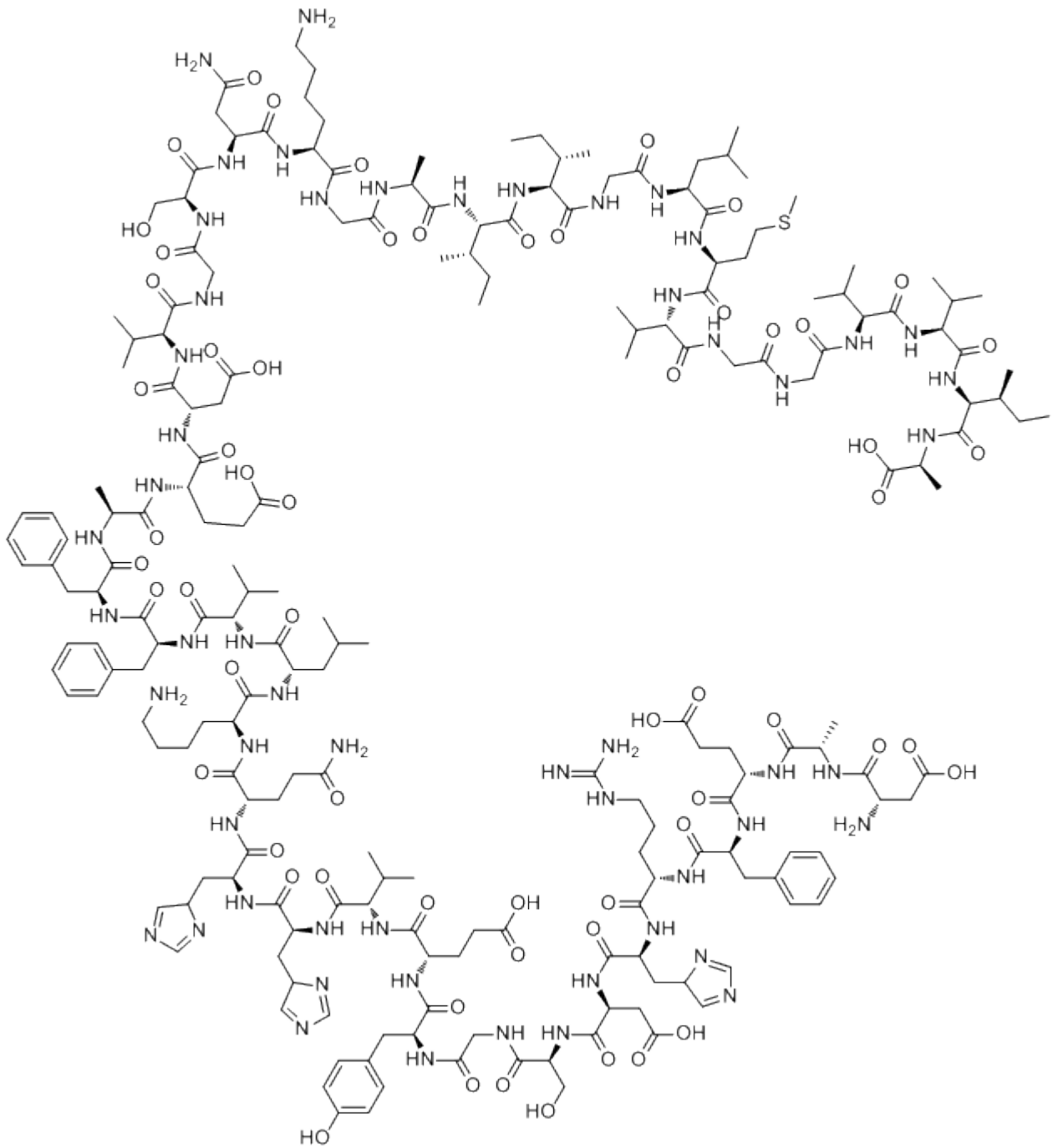
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