

Title (en)
PROTEASES CAUSING ABNORMAL DEGRADATION OF AMYLOID -G(B)-PROTEIN PRECURSOR

Publication
EP 0546084 A4 19941019 (EN)

Application
EP 91916872 A 19910819

Priority
US 56880690 A 19900817

Abstract (en)
[origin: WO9203542A1] A proteolytic factor is capable of cleaving beta -protein precursor at a site near the beta -protein N-terminus. Also, a method for treating Alzheimer's disease in a patient includes steps of reducing DOLLAR (b)-protein precursor proteolysis outside the beta -protein domain at a site near the beta -protein N-terminus. Also, a method for purifying an enzyme from a sample includes steps of incubating the sample with a labelled substrate of the enzyme or with a labelled fragment of a substrate to which the enzyme binds, treating the sample with a crosslinking agent to crosslink any enzyme-substrate complexes in the sample, and recovering labelled complexes. Also, a method for diagnosis in a subject of a disease characterized by accumulation of amyloid includes determining the level, in a sample of tissue or body fluid from the subject, of an AD proteolytic factor. Also, a method for screening for an agent useful in treatment of a disease characterized by accumulation of amyloid includes steps of incubating an AD protease with a peptide having an amino acid sequence corresponding to the sequence spanning the beta -protein N-terminus in the presence of a candidate agent, and determining the degradation of the peptide.

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C12N 9/50

IPC 8 full level
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Citation (search report)
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• See references of WO 9203542A1

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