rPeptide Introduces Amyloid precursor proteins

Amyloid Precursor Protein, CTF fragments (i)Beta-Amyloid Precursor Protein, CTF-31 (ii)Beta-Amyloid Precursor Protein, CTF-50 (iii)Beta-Amyloid Precursor Protein, CTF-57

Feb. 26, 2008 - *PRLog* -- (i)Beta-Amyloid Precursor Protein, CTF-31
MW: 3717.1 Da
H-Ala-Ala-Val-Thr-Pro-Glu-Glu-Arg-His-Leu-Ser-Lys-Met-Gln-Gln-Asn-Gly-Tyr-Glu-Asn-Pro-Thr-Tyr-Lys-Phe-Phe-Glu-Gln-Met-Gln-Asn-OH; APP 740-770
Description:
Lyophilized solid; TFA salt; Purity > 95% packed under inert gas; hygroscopic; light sensitive. A 31-amino acid peptide, results from the proteolytic cleavage of the C-terminus of beta-amyloid precursor protein (APP) at Asp739-Ala740 by caspases. Reported to induce apoptosis and may be involved in the neuronal death associated with Alzheimer's disease, either via amplifying caspase activation or by the selective increase in Abeta 42 production.
References:
Dumanchin-Njock, C., et al. 2001. J. Neurochem. 78, 1153
Soriano, S., et al. 2001. J. Biol. Chem. 276, 29045
Gervais, F.G., et al. 1999. Cell 97, 395
LeBlanc, A., et al. 1999. J. Biol. Chem. 274, 23426.
For more info
http://www.rpeptide.com/products/db_images/A-1201,%20APP,%20CTF%2031.pdf

(ii)Beta-Amyloid Precursor Protein, CTF-50

MW: 5910.7 Da
H-Val-Met-Leu-Lys-Lys-Lys-Gln-Tyr-Thr-Ser-Ile-His-His-Gly-Val-Val-Glu-Val-Asp-Ala-Ala-Val-Thr-Pro-Glu-Glu-Arg-His-Leu-Ser-Lys-Met-Gln-Gln-Asn-Gly-Tyr-Glu-Asn-Pro-Thr-Tyr-Lys-Phe-Phe-Glu-Gln-Met-Gln-Asn-OH; APP 721-770
Description:
Lyophilized solid; TFA salt; Purity > 95% packed under inert gas; hygroscopic; light sensitive. A 50-amino acid peptide, results from the ?-secretase cleavage of the C-terminus of beta-amyloid precursor protein (APP) at Leu720-Val721. May also serve as one of the precursors for the generation of the toxic C31 fragment of APP (Cat. No. A-1201)
References:
Gu, Y., et al. 2001. J. Biol. Chem. 276, 35235
Pinnix, I., et al. 2001. J. Biol. Chem. 276, 481
Lu, D.C., et al. 2000. Nat. Med. 6, 397
http://www.rpeptide.com/products/db_images/A-1202,%20APP,...
(iii)Beta-Amyloid Precursor Protein, CTF-57

MW: 6650.7 Da
H-Thr-Val-Ile-Val-Ile-Thr-Leu-Val-Met-Leu-Lys-Lys-Lys-Gln-Tyr-Thr-Ser-Ile-His-His-Gly-Val-Val-Glu-Val-Asp-Ala-Ala-Val-Thr-Pro-Glu-Glu-Arg-His-Leu-Ser-Lys-Met-Gln-Gln-Asn-Gly-Tyr-Glu-Asn-Pro-Thr-Tyr-Lys-Phe-Phe-Glu-Gln-Met-Gln-Asn-OH; APP 714-770
Description:

Lyophilized solid; TFA salt; Purity > 95% packed under inert gas; hygroscopic; light sensitive. A 57-amino acid peptide, results from the ?-secretase cleavage of the C-terminus of beta-amyloid precursor protein (APP) at Ala713-Thr714. Represents CTFg fragment naturally generated in conjunction with Abeta42. May also serve as one of the precursors for the generation of the toxic C31, fragment of APP (Cat. No. A-1201)
References:
Gu, Y., et al. 2001. J. Biol. Chem. 276 , 35235
Pinnix, I., et al. 2001. J. Biol. Chem. 276, 481
Yu, C., et al. 2001. J. Biol. Chem. 276, 43756
For more info:
http://www.rpeptide.com/products/db_images/A-1203,%20APP,...

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rPeptide is a biotechnology company located in Athens, Georgia, USA, and is a market leader in providing research products (recombinant peptides and proteins, antibodies, reagents) for Alzheimer's disease and Parkinson's disease research. rPeptide also provides a range of custom services from molecular biology, protein expression and purification, to 13C and 15N uniform labeling of peptides and proteins.
rPeptide has a proprietary platform vector technology that enables the expression of historically difficult peptides/proteins as soluble peptides/proteins (like amylin, beta-amyloid, leptin, pro-insulin) in E. coli

Website: www.rpeptide.com

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