

rPeptide Introduces Amyloid precursor proteins

By rPeptide, LLC

Dated: Feb 26, 2008

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

(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 β -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,%20CTF%2050.pdf

(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 β -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,%20CTF%2057.pdf

###

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 ^{13}C and ^{15}N 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

Category	Biotech
Tags	amyloid precursor proteins, amyloid beta peptides, beta amyloid peptide amyloid peptides app
Email	Click to contact author
Website	http://www.rpeptide.com
Phone	678-753-0747
Fax	678-753-0746
Address	4241 Mars Hill Road, Bogart, GA , USA
City/Town	Atlanta
State/Province	Georgia
Zip	30622
Country	United States
Link	http://prlog.org/10053161



Scan this QR Code with your SmartPhone to-

- * Read this news online
- * Contact author
- * Bookmark or share online