

Analytical Data

Record: 150608 (Bulk * 650628) ; Date: 2015-9-15

Code: 4349-v Lot No: 650810

Compound: Amyloid β -Protein (Human,1-42) (Trifluoroacetate Form)
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
(M. W. 4514.04) C₂₀₃ H₃₁₁ N₅₅ O₆₀ S₁

Appearance : White amorphous powder

* **Elemental Analysis**

Found C, 47.24 ; H, 6.04 ; N, 13.93 %

* **Amino Acid Analysis**

Acid Hydrolysis: 6N HCl, 110°C, 22h. * concHCl:TFA:H₂O=2:1:1, 150°C, 4h.

Asp (4) 3.98	Ser (2) 1.79	Glu (4) 4.03	Gly (6) 5.86
Ala (4) 3.96	Val (6) 5.84*	Met (1) 0.93	Ile (3) 2.65*
Leu (2) 2.00	Tyr (1) 0.95	Phe (3) 2.99	His (3) 2.91
Lys (2) 2.03	NH ₃ (2) 2.48	Arg (1) 1.00	

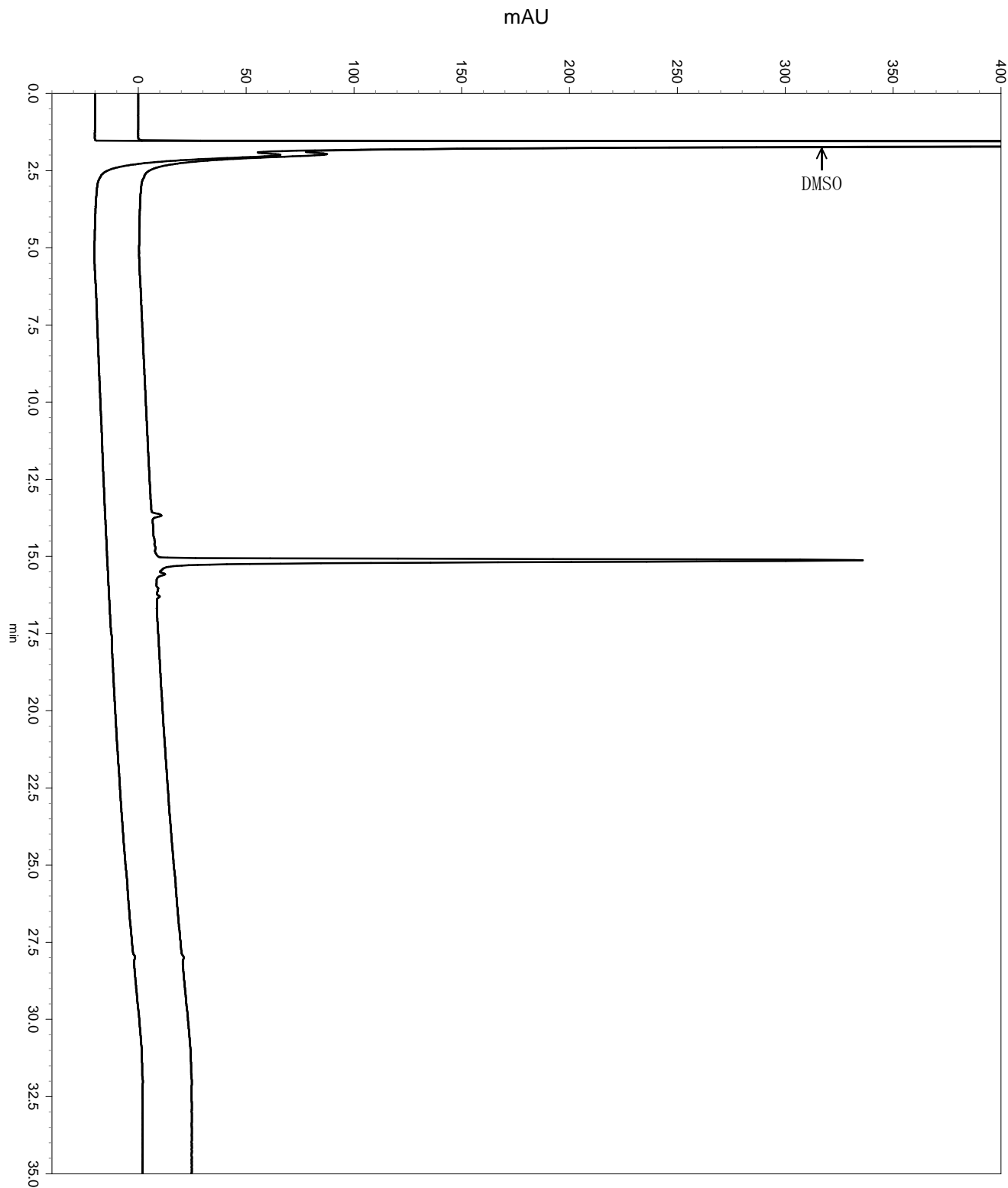
* **Mass Spectral Analysis** : Exhibits correct MW

Purity(HPLC) : 95.3%

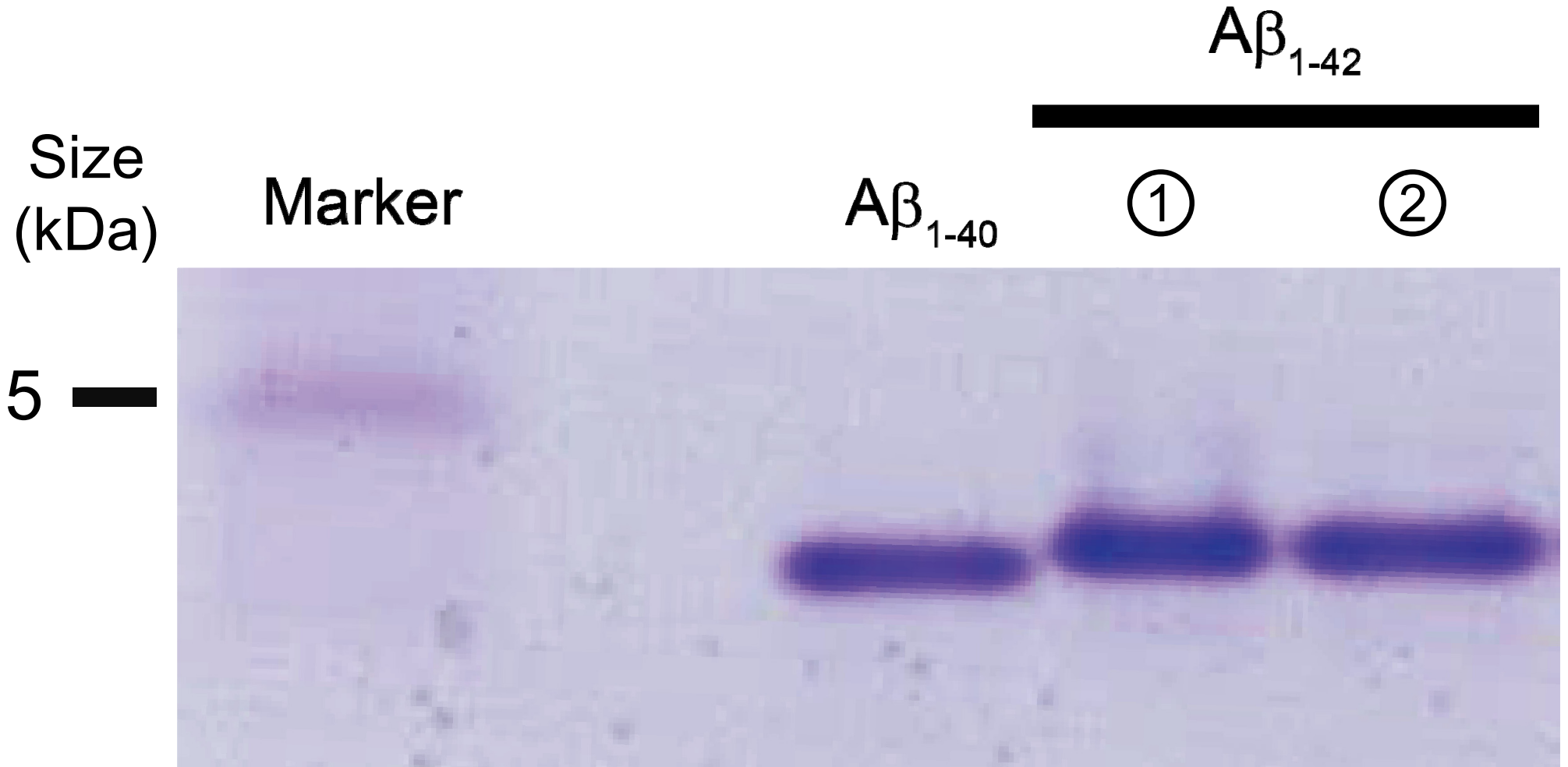
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Sample : 4349-v Amyloid β -Protein (Human,1-42)
Sample Size : 0.5 μ L (0.5 mg/ 50 μ L-DMSO)
Column : Agilent ZORBAX 300SB-C18 (4.6 mm I.D. \times 150 mm) #WSB1252003
Eluent : 0.1% TFA
Gradient : Acetonitrile 20% to 60% [25 min.]
Flow Rate : 1.0 mL/min. , ; Press. : 31 kg/cm² , ; Temp. : 80°C
Detection : CH.1 220 nm



Non-denaturation PAGE



① Sample without ultracentrifugation treatment

② Supernatant after ultracentrifugation at 60,000 rpm for 1 hr