

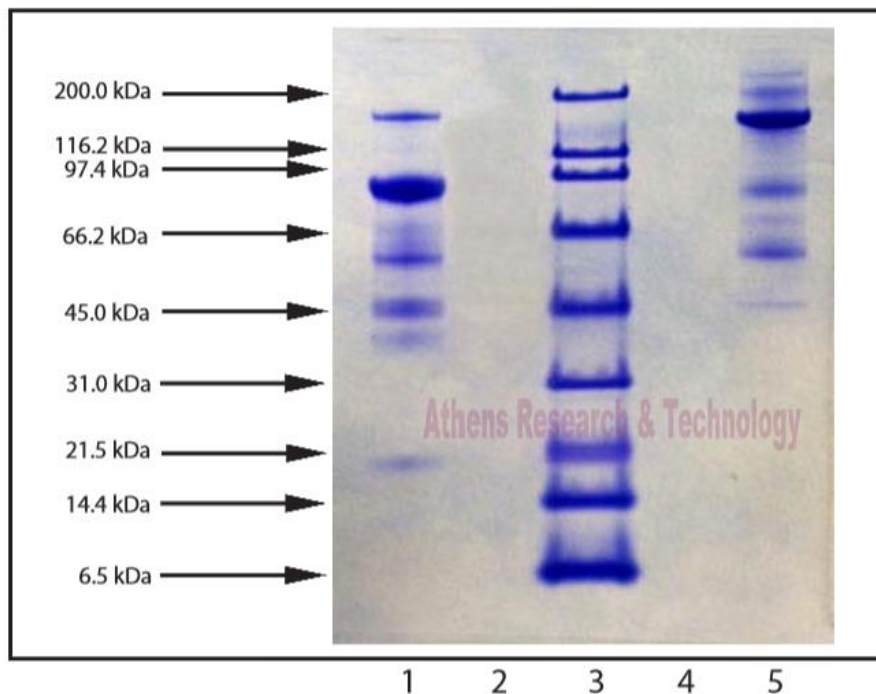
Athens Research & Technology

110 Trans Tech Drive Athens, GA 30601 USA
PHONE: 706-546-0207 • FAX: 706-546-7395 • EMAIL: ARTBIO@ATHENSRESEARCH.COM
www.athensresearch.com

Gel Scan of Representative Lot

Butyrylcholinesterase, Human Plasma

ART Catalog No. 16-16-020305



SDS-PAGE: 4-12% Bis-Tris NuPAGE gel

1. 10 µg (reduced / heated)
2. <blank>
3. BRMW Standard (BIO-RAD Cat. No. 161-0317)
4. <blank>
5. 20 µg (non-reduced / no heat)

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Product Datasheet

Product:	Butyrylcholinesterase, Human Plasma
Catalog Number:	16-16-020305
Form:	Lyophilized
Buffer:	100 mM L-Histidine, 240 mM sucrose, 0.3 mM TWEEN 20, pH 6.0
Purity:	≥ 90% by SDS-PAGE
Molecular Weight:	340,000 Da
Activity:	≥ 50 U/mg protein. One unit will hydrolyze one micromole of butyrylcholine to choline and butyrate per minute at pH 8.0 at 37°C (Sigma assay).
Protein Determination:	Extinction Coefficient (E) _{1 cm pathway} ^{0.1% at 280nm} = 1.8
Storage:	≤ -20° C
Stability:	> 1 year
Source:	Human Plasma
Testing:	Shown to be non-reactive for HBsAg, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2 by FDA required tests.

**Athens Research & Technology products are laboratory reagents and are not to be administered to humans or used for any drug purpose.
For research use or for use in further manufacturing.**

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Certificate of Origin

Product Name:	Butyrylcholinesterase, Human Plasma
Catalog Number:	16-16-020305
Lot Number:	Information applies to all lots produced.
Manufacturing Site:	110 Trans Tech Dr., Athens, GA, USA
Raw Material Information:	The product contains no materials directly of animal origin and has not been in contact with products of animal origin in the course of its purification.
Country of Origin (manufacturing):	United States
Biological Source Material (COO):	United States
Donor Consent:	The raw material used in the purification of this product has been obtained from an FDA licensed collection center. Further the donor or the donor's next of kin has given by signature full informed consent for the material to be used in commercial scientific research, including the sharing, transferring, or selling of samples to third parties involved in this research. The raw material was obtained in an ethical manner in full compliance with national legislation, and the donor identity is held as confidential information by the licensed collection center.

The methods and controls used in this facility for manufacturing, processing, packaging and holding of our products are in accordance with ISO9001 Quality Management System.

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