

Line number is a must

**PURIFICATION AND CHARACTERIZATION OF A NOVEL PROTEIN
FROM BOVINE BRAIN**

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Running Title: '*A Novel Protein from Bovine Brain*'

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ABSTRACT

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(It should not be more than 250 words)

Keywords: *Bovine; Brain; Novel protein; Purification; Characterization.*

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INTRODUCTION

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MATERIALS AND METHODS

Materials

Marker proteins such as,, and were
purchased from Sigma-Aldrich Inc., USA.
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Methods

Purification of Protein:
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76 **RESULTS AND DISCUSSION**

77 Figure 1 shows
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79 [20-23].
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81 and the values are given in Table 1.
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91 **ACKNOWLEDGEMENTS**

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97 **CONFLICT OF INTEREST**

98 The authors declare that there is no conflict of interests regarding the publication of this
99 manuscript.

REFERENCES

1. Liew, K., Yong, P.V.C., Navaratnam, V., Lim, Y.M. and Ho, A.S.H. (2015) Differential proteomic analysis on the effects of 2-methoxy-1,4-naphthoquinone towards MDA-MB-231 cell line. *Phytomedicine* **22**(5), 517-527.
2. Muzammil, S., Kumar, Y. and Tayyab, S. (1999) Molten globule-like state of human serum albumin at low pH. *Eur. J. Biochem.* **266** (1), 26-32.
3. Sidek, H.M., Nyquist-Battie, C. and Vanderkooi, G. (1984) Inhibition of synaptosomal enzymes by local anesthetics. *Biochim. Biophys. Acta* **801**(1), 26-31.
4. Pace, C.N., Shirley, B.A. and Thomson, J.A. (1989) in *Protein Structure: A Practical Approach* (Creighton, T.E., ed.) Oxford University Press, New York, pp. 311-332.
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LEGENDS TO FIGURES

Figure 1. Ion exchange chromatographic profile of crude fraction of brain homogenate on DEAE-Sephadex column

Table 1. Purification scheme of a novel protein from bovine brain.

Method	Protein (mg)	Activity
Ammonium sulphate fractionation	_____	_____
DEAE-Sephadex chromatography	_____	_____
_____	_____	_____