Regular Paper

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

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Running Title: *‘A Novel Protein from Bovine Brain’ Less Than 70 Letters Including Space*

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# **ABSTRACT**

Aaaa aaaa aaaa ..... ... ............ ....... ............. ......... ...... ............ ................. ............ ........ ........ ..... ... ............ ....... ............. ......... ...... ............ ................. ............ ........ …….. ……… ……... ..... ... ............ ....... ............. ......... ...... ............ ................. ............ ........ …….. ……… ……... ..... ... ............ ....... ............. ......... ...... ............ ................. ............ ........ …….. ……… ……... ..... ... ............ ....... ............. ......... ...... ............ ................. ............ ........ …….. ……… ……... ..... ... ............ ....... ............. ......... ...... ............ ................. ............ ........ …….. ……… ……... ..... ... ............ ....... ............. ......... ...... ............ ................. ............ ........ …….. ……… ……... ..... ... ............ ....... ............. ......... ...... ............ ................. ............ ........ …….. ……… ……... ..... ... ............ ....... ............. ......... ...... ............ ................. ............ ........ …….. ……… ……...

(x words. It should not be more than 250 words)

**Keywords:** *Bovine; Brain; Novel protein; Purification; Characterization.4-6 Keywords*

# **INTRODUCTION**

Aaaa aaaa aaaa ..... ... ............ ....... [1, 2]. Bbbb ............. ......... ...... ............ ................. ..... …...... ..... ... ............ ....... ............. ......... ...... ............ ................. ............ ........ …….. ……… ……... ..... ... ............ ....... ............. ......... ...... ............ ................. ............ ........ …….. ……… ……...

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# **MATERIALS AND METHODS**

**Materials**

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

**Methods**

***Purification of Protein:*** ................. .................... ....... ........... ............... ... ............ ....... ............ ......... ...... ............ ................. ............ ........ ....... ........... ............... ... ............ ....... ............. .........

# **RESULTS AND DISCUSSION**

Figure 1 shows ..... ... ............ ....... ......... ......... ............. ......... ...... ............ ................. ............ ... ............ ....... ............. ......... ...... ............ ................. ............ ........ ....... ........... ............... ... ............ ....... ............. ......... ...... ........... [20-23]. ................ ............ ........ ....... ................ ... ............ ....... ............. ......... ...... ............ ................. ............ ........ ....... ........... ............... ... ............ and the values are given in Table 1. .......... ................. ............ ........ ...... ........... ... ............ ....... ............. ......... ...... ............ ................. ............ ........ ....... ........... ............... ... ............ ....... ............. ......... ...... ............ ................. ............ ........ ....... ........... ............... ... ............ ....... ............. ......... ...... ............ ................. ............ ........ ....... ........... ............... ...

# **CONCLUSIONS**

............ ....... ............. ......... ...... ............ ................. ............ ........ ....... ........... ............... ............... ....... ............. ......... ...... ............ ................. ............ ........ ....... ........... ............... ... ............ ....... ............. ......... ...... ............ ................. ............ ........ ....... ........... ..........

# **ACKNOWLEDGEMENTS**

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# **CONFLICT OF INTEREST**

The authors declare that there is no conflict of interest regarding the publication of this manuscript.

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6. ..... ... ............ ....... ............. ......... ...... ............ ................. ............ ........ ....... ........... ...... ... ............ ....... ............. ......... ...... ............ ................. ............ ........ ....... ...........
7. ..... ... ............ ....... ............. ......... ...... ............ ................. ............ ........ ....... ........... ...... ... ............ ....... ............. ......... ...... ............ ................. ............ ........ ....... ...........

# **A black text on a white background  AI-generated content may be incorrect.FIGURE**

**Figure 1.**

****

**Figure 2.**

# **LEGENDS TO FIGURES**

**Figure 1.** Ion exchange chromatographic profile of crude fraction of brain homogenate on DEAE-Sephadex column ............ Figures should be provided in high resolution in JPG or TIFF format. .......... ............ .............. ......... ........ ...

**Figure 2.** ............ Figures should be provided in high resolution in JPG or TIFF format. .......... ............ .............. ......... ........ ...

# **TABLE**

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

|  |  |  |
| --- | --- | --- |
| **Method** | **Protein (mg)** | **Activity** |
| Ammonium sulphate fractionation | ……………. | ……………. |
| DEAE-Sephadex chromatography | ……………. | ……………. |
| ……………. | ……………. | ……………. |
| ……………. | ……………. | ……………. |