

## Accepted Manuscript

Thermal-induced folding and unfolding of a transmembrane protein  
(CorA)

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PII: S0378-4371(18)30550-8  
DOI: <https://doi.org/10.1016/j.physa.2018.05.014>  
Reference: PHYSA 19554

To appear in: *Physica A*

Received date: 18 September 2017

Revised date: 12 February 2018

Please cite this article as: S. Kitjaruwankul, P. Boonamnaj, S.S. Paudel, W. Jetsadawisut, P. Sompornpisut, R.B. Pandey, Thermal-induced folding and unfolding of a transmembrane protein (CorA), *Physica A* (2018), <https://doi.org/10.1016/j.physa.2018.05.014>

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## Highlights:

- Protein CorA is critical in transport of  $Mg^{2+}$  across the ion channels.
- Inner segment of protein contracts on raising the temperature in native phase.
- Outer segment of protein is less organized in its native phase.
- Inner segment is globular and outer segment is random coil.
- Conformations of both segments in native phase differ from that in denatured phase.

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