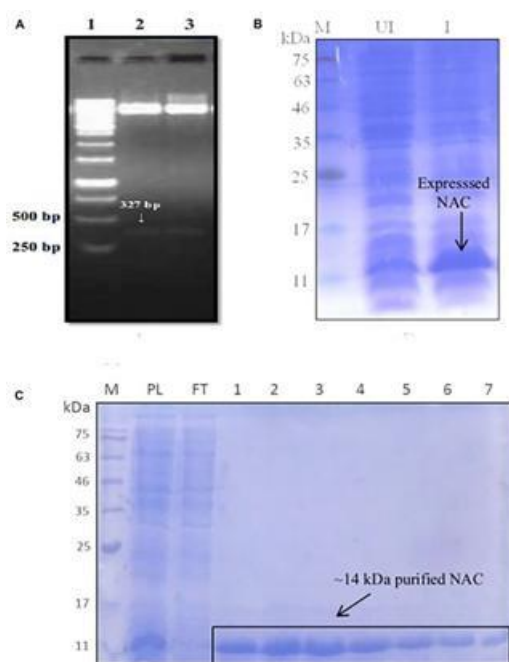


Biophysical and biochemical characterization of Nascent Polypeptide-Associated Complex (NAC) of *Picrophilus torridus* and elucidation of its interacting partners

Research article from DBT's Regional Centre for Biotechnology (RCB), Faridabad reports biophysical and biochemical characteristics of NAC of *Picrophilus torridus*, an extreme thermoacidophilic Archae. The study of protein-protein interactions and binding partners of a protein provides useful insights into the new/unreported roles of a protein. Thus, this study has identified the binding partners of NAC in *P. torridus*. This is the first report on the biophysical and the biochemical characterization of NAC from *P. torridus* and the identification of its interacting partners.



Nascent polypeptide-associated complex (NAC) is a ribosome-associated molecular chaperone which is present only in Archaea and eukaryotes. NAC is a multifunctional protein and an elaborate study on NAC can provide useful information on protein folding in extreme conditions in which many Archaea grow.

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