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Purification of a Putative Metalloregulatory
Protein from a Methanogenic Archaeon

Methanococcus labreanus Z is a methanogenic microorganism isolated from the LaBrea Tar Pits. Using information from the complete genome sequence, the putative metalloregulatory protein MarR was identified. The protein was overexpressed in *E. coli* and isolated using sonication to lyse the bacterial cells. Ion-exchange and size-exclusion chromatographies have been used to separate the protein of interest from other proteins produced by *E. coli*. The presence of MarR has been assessed using UV-Visible spectroscopy, gel electrophoresis, and mass spectrometry.