



UPPSALA
UNIVERSITET

Molecular Biotechnology Programme

Uppsala University School of Engineering

UPTEC X 03 030	Date of issue 2003-11	
Author Christina Alm		
Title (English) A one-step purification method of the <i>E. coli</i> ribosome with associated proteins		
Title (Swedish)		
Abstract <p>In order to identify proteins associated to the ribosome, a fast and simple purification method for the native ribosome was developed. Attempts were made to insert a tag in the chromosomal gene <i>L30</i>, which codes for a ribosomal protein, using the λ-RED system for homologous recombination. However, this system did not work during the time span of this study. Instead, a vector-construct with a His-tag on the <i>L30</i> gene was made and it could be seen that the ribosome, or at least parts of it, does bind to metal affinity resins.</p>		
Keywords <p>Ribosome, associated proteins, λ-RED, FLAG-tag, His-tag</p>		
Supervisor Suparna Sanyal Department of Cell and Molecular Biology, Uppsala Universitet		
Scientific reviewer Måns Ehrenberg Department of Cell and Molecular Biology, Uppsala Universitet		
Project name	Sponsors	
Language English	Security	
ISSN 1401-2138	Classification	
Supplementary bibliographical information	Pages 18	
Biology Education Centre Box 592 S-75124 Uppsala	Biomedical Center Tel +46 (0)18 4710000	Husargatan 3 Uppsala Fax +46 (0)18 555217