Entrez PubMed

1: Protein Expr Purif 1991 Oct-Dec;2(5-6):317-20

Related Articles, Books, LinkOut

A rapid purification procedure of recombinant integration host factor from Escherichia coli.

Vorgias CE, Wilson KS.

European Molecular Biology Laboratory, c/o DESY, Hamburg, Germany.

A rapid procedure for the large-scale isolation of recombinant integration host factor (IHF) protein from Escherichia coli is presented. The protein was overproduced in the E. coli K5746 strain, whose construction has already been described. The procedure consists of a mild extraction of protein and fractionation by ammonium sulfate. A single-step affinity chromatography on heparin-Sepharose provided very pure IHF protein. A Mono-S FPLC column was used to highly concentrate the pure IHF for crystallization trials. Attempts to crystallize IHF produced small stable crystals that have a large number of molecules in the asymmetric unit and to date diffract poorly. Further attempts to crystallize IHF under other conditions as well as in a complex with the putative DNA binding site are underway.

PMID: 1821804 [PubMed - indexed for MEDLINE]

PubMed Services

Related Resources

Display Abstract Sort Save Text Clip Add Order

Write to the Help Desk
NCBI | NLM | NIH
Department of Health & Human Services
Freedom of Information Act | Disclaimer

i686-pc-linux-gnu Jul 16 2002 16:34:53