METHOD FOR PURIFYING A PROTEIN OF THE CYSTINE-KNOT SUPERFAMILY

The present invention relates to a two-step method for isolating proteins from the cystine-knot superfamily based on dye ligand affinity chromatography and reversed-phase chromatography. Advantageously, the method can be performed in a relatively short period of time, involves inexpensive reagents, and requires little sample preparation before and during the purification process. Protein fusions between cystine-knot proteins and proteins of interest are further provided for the isolation of said protein of interest or complexes containing said protein of interest using the two-step method disclosed.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8): C07K 14/00(2006.01), 14/475(2006.01), 14/485(2006.01), 14/49(2006.01), 14/54(2006.01), 14/495(2006.01), 14/50(2006.01), 14/51(2006.01), 14/575(2006.01), 14/59(2006.01), 17/00(2006.01); C12P 21/06(2006.01); C12N 15/00(2006.01)

USPC: 435/69.1, 320.1; 530/324, 350, 399, 412, 413, 417

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S.: 435/69.1, 320.1; 530/324, 350, 399, 412, 413, 417

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EAST search terms: cystine, cystine, knot, dye affinity, superfamily, VEGF, noggin, mchn, FSH, slit, TGF

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
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Further documents are listed in the continuation of Box C. See patent family annex.

Date of the actual completion of the international search
06 March 2007 (06.03.2007)

Date of mailing of the international search report
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