

- [54] **IMMUNOAFFINITY PURIFICATION SYSTEM**
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- [58] **Field of Search** **435/68, 172.3, 240.27; 935/95, 104, 108; 530/387**

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[57] **ABSTRACT**

A process is disclosed for purifying a recombinant fusion protein having an N-terminal identification sequence comprising multiple anionic amino acid residues, comprising forming a complex of the protein with a divalent cation dependent monoclonal antibody specific for the sequence, isolating the complex, and dissociating antibody and protein by selectively depleting the concentration of divalent cations in contact with the complex. A particular calcium-dependent monoclonal antibody, 4E11, is useful in an embodiment of the process which employs the identification peptide DYKDDDDK.

16 Claims, No Drawings