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(54) Title: METHODS FOR PRODUCING SOLUBLE MULTI-MEMBRANE-SPANNING PROTEINS

(57) Abstract: Methods for producing membrane-spanning polypeptides in high yields, with native conformation, and/or in soluble form include solubilizing in non-ionic or zwitterionic detergents as well as use of promoters and expression vectors for expressing high yields of membrane-spanning polypeptides in bacterial cells. Mutated promoters provide tight control of membrane-spanning polypeptides in bacterial cell hosts.

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