

Microbial gene expression systems: Microbial gene expression systems are used to produce and purify proteins in a host cell. The host cell is a microorganism that is genetically modified to express the gene of interest. The host cell is grown in a fermenter and the protein is purified from the culture. The host cell is a genetically modified microorganism (GMO) and the use of GMOs is subject to strict regulations. The host cell is a genetically modified microorganism (GMO) and the use of GMOs is subject to strict regulations.

Protein production: The protein production process involves the use of a host cell to produce and purify the protein. The host cell is a genetically modified microorganism (GMO) and the use of GMOs is subject to strict regulations. The host cell is a genetically modified microorganism (GMO) and the use of GMOs is subject to strict regulations.

Protein folding and stability: Protein folding and stability are important factors in the production and purification of proteins. The host cell is a genetically modified microorganism (GMO) and the use of GMOs is subject to strict regulations. The host cell is a genetically modified microorganism (GMO) and the use of GMOs is subject to strict regulations.

Protein purification: The protein purification process involves the use of various techniques to separate the protein from the host cell. The host cell is a genetically modified microorganism (GMO) and the use of GMOs is subject to strict regulations. The host cell is a genetically modified microorganism (GMO) and the use of GMOs is subject to strict regulations.

Figure 14. Protein production and purification systems

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Figure 15. Flow diagram of a protein production and purification system