

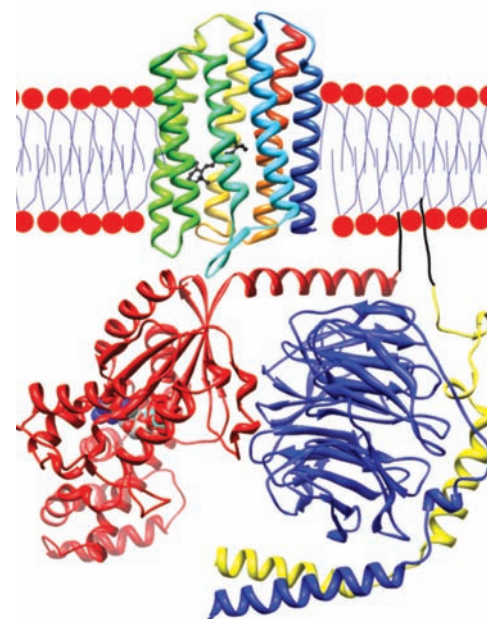
Membrane Protein Folding and Extraction Kits

Manufactured by Profoldin



- Efficient extraction and stabilisation of proteins from cell membranes
- Suitable for re-folding eukaryotic and prokaryotic membrane proteins
- Ideal also as screening and preparative kits for folding recombinant membrane proteins from urea-solubilised inclusion bodies
- Scale up membrane protein extraction screening kits available

Purification of membrane proteins requires their solubilisation (extraction) from the cell membranes but a frequent problem associated with most current extraction procedures is that the membrane is not extracted fully, or the protein is extracted in a mis-folded, inactive form.



Establish optimal refolding conditions

Profoldin Membrane Protein Screening Kit



Large scale purification using optimised conditions

Profoldin Preparative Membrane Protein Extraction Kit

Membrane Protein Folding Simplified

Step One – Screening Kit

The **Spin Column Refolding Screening Kits** determine the best conditions for folding native or recombinant membrane proteins derived from urea-solubilised inclusion bodies or protein aggregates. Each kit contains 20 spin columns representing 20 different conditions with various detergents and lipids that form micelles and bicelles.

Step Two – Preparative Kits

Scale Up Preparative Membrane Protein Folding Kits are used once the optimal folding conditions have been established using the screening kit. Each scale up kit provides reagents for folding 5-10mg protein.

Membrane Protein Extraction Simplified

Membrane Protein Extraction Kit contains 0.5ml each of 12 solutions optimised for the micro-scale extraction and solubilisation of up to 1.5mg membrane proteins.

Membrane Protein Extraction Kit Plus contains 5ml each of 12 solutions for extracting up to 16mg membrane protein.

Membrane Protein Extraction Solutions for preparative membrane protein preparation up to 130mg.

Detergents contained in Membrane Protein Extraction Solutions

Detergent	Product Number
Alkyl saccharides	P4-1134, P4-1136
Acyl-N-methylglucoside	P4-1140
Bile acid salt	P4-1144
Alkylaminoxide	P4-1146
Alkylpolyethylenes	P4-1138, P4-1142, P4-1154
Zwitterionic detergents	P4-1148, P4-1150, P4-1156
Phosphocholine derivative	P4-1152

Please contact technical support for additional information on any of these products