

# Product Information

## **MemDX™ Cell-free Membrane Protein Expression in Wheat Germ lysate with liposome**

Cat. No.: **MPCFK-3**

This product is for research use only and is not intended for diagnostic use.

### **General Description**

MemDX™ Cell-free Protein Expression in Wheat Germ lysate Kit is a cell-free protein synthesis system using wheat germ extracts for membrane protein production. By adding liposomes, artificially-prepared spherical lipid vesicles, to the translation reaction, membrane proteins are directly inserted into the lipid bilayer of the liposome to form proteoliposome complexes. Proteoliposomes can be easily isolated by centrifugation and offer convenient tools to study protein functions. Moreover, proteoliposomes can be directly used in immunization experiments to prepare antibodies directed against membrane proteins.

### **Lysate Type**

Wheat Germ lysate

### **Size**

8 reactions

### **Reaction Volume**

240 µL per reaction

### **Expected Yield of Positive Control**

40 µg/ml

### **Components**

Cloning Vector  
Control Vector  
Wheat Germ Extracts  
Reaction buffer  
Transcription Reagent  
Aluminum seal

### **Storage Conditions**

Store at -80°C.