



GenoMembrane

501 Leading Venture Plaza
75-1 Ono, Tsurumi, Yokohama
2300046 JAPAN

Phone : 81-45-508-2326

Fax : 81-45-505-548-3009

<http://www.genomembrane.com>

Data Sheet

Human MRP3

Catalog Number : GM0021
Lot Number : BK13G05
Storage Condition : -80 °C
Protein Concentration: 5mg/ml in TEMP solution* (Protein concentration was determined by BCA protein assay using BSA as standard protein)
Total Volume : 500 µl (Total Protein: 2.5 mg)
Expiration Date : May 18th, 2014
Intended Use : For vesicular transport assay only

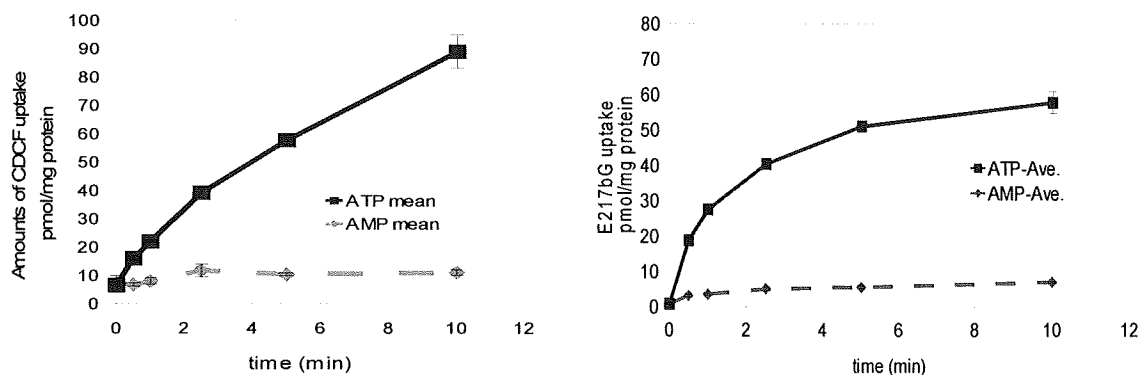
This product is prepared from purified plasma membranes isolated from an insect cell system (Sf9 cells infected with baculovirus) expressing human MRP3.

*TEMP Solution

50mM Tris-HCl (pH 7.0)
 50mM Mannitol
 2mM EGTA
 8µg/ml Aprotinin
 10µg/ml Leupeptin
 2mM DTT

• Transport Activity

The following data shows each time-dependent uptake for E₂-17βG as RI-labeled substrate and CDCF as fluorescent substrate.



Reference Substrate (concentration): [³H] Estradiol-17-β-D-glucuronide (1 µM)

5-(and-6)-carboxy-2', 7'-dichlorofluorescein (CDCF) (5µM)

ATP-dependent E₂ 17βG uptake: 31 pmol / mg protein / min

ATP-dependent CDCF uptake: 14 pmol / mg protein / min



- **Note**

- Thaw vesicles rapidly at 37 °C. Place on ice until use.
- It is recommended for reliable and reproducible data to minimize freeze/thaw cycle by dividing aliquot to small portions.

THIS PRODUCT IS SUPPLIED FOR LABORATORY RESEARCH USE ONLY.

4/11/12

前田都