

Human BCRP (ABCG2)

Catalog Number..... GM0008
 Lot Number 1007Y
 Storage Condition..... - 80°C
 Protein Concentration 5 mg/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..... 2013/Oct 19th
 Intended Use For vesicular transport assay only

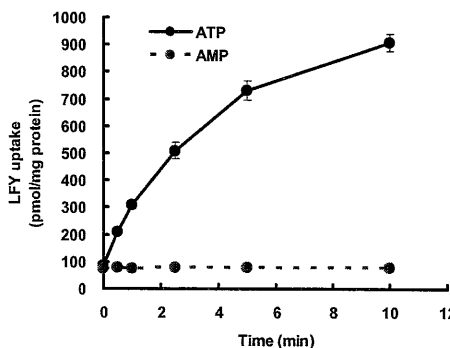
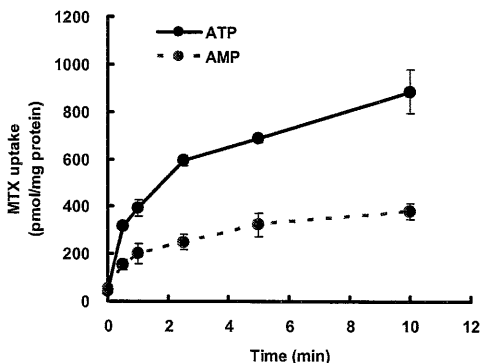
This product is prepared from purified plasma membranes isolated from an insect cell system (Sf9 cells infected with baculovirus) expressing human BCRP.

*** TEMP solution**

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

• Transport activity

The following data show a time-dependent uptake for Methotrexate as RI -labeled substrate and Lucifer yellow as fluorescent substrate.



Reference substrate (concentration) : [³H] Methotrexate (100 µM)

Lucifer yellow (10 µM)

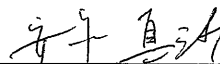
ATP-dependent Methotrexate uptake : 193 pmol / min / mg protein

ATP-dependent Lucifer yellow uptake : 172 pmol / min / mg protein

• 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.



GenoMembrane, Inc. 75-1 Ono-cho, Tsurumi-ku, Yokohama, Kanagawa, 230-0046 Japan
 TEL: +81-(0)45-508-2326, FAX: +81-(0)50-5548-3009,
 URL: <http://www.genomembrane.com>, E-mail: info@genomembrane.com