

Human MRP8 Vesicles, ABC transporter vesicles

Cat. No. MRP8 Vesicles-10H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MRP8 Vesicles are insect derived purified plasma membranes with inserted MRP8 transport protein (Multidrug Resistance-associated Protein 8, ABCC11). Our Human MRP8 Vesicles can be used to evaluate test compounds and drug interactions with MRP8 in in vitro assays. MRP8 is an ATP-binding cassette (ABC) transporter that carries organic anions.
Species	Human
Source	Insect Cells
Description	Human MRP8 Vesicles are part of a larger group of transporter vesicles known as ABC transporter vesicles. They are prepared from purified plasma membranes isolated from an insect cell system (Sf9 cells transfected with baculovirus) expressing MRP8. MRP8 is highly expressed in the liver, where it may be associated with drug excretion. It has been reported that MRP8 expression is increased in lung cancer, and the MRP8 gene may be involved in multidrug resistance to anti-cancer drugs.
Form	Frozen
Concept Behind ABC Transporter Vesicles	ABC transporter vesicles are easy-to-use, efficient reagents for early assessment of a drug candidate's substrate and drug interaction potential. While ABC transporters typically mediate the export of substrates out of cells, transporters expressed on these inside-out vesicles import substrates into the vesicles. It is therefore possible to quantitatively evaluate transport activity for your compound by determining the

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amount incorporated into the vesicles.

Clear and Reliable Results

Prepared from Sf9 cells which have been engineered to over-express specific ABC transporters, these 'inside-out' vesicles provide high levels of transporter activity with low background, giving you a clear signal if your compound is a substrate or inhibitor of a specific efflux transporter.

Applications

Use Human MRP8 Vesicles to: Investigate the transporter interactions of your drug candidates Assess potential for transporter-mediated drug-drug interactions Obtain high quality results with a large signal to noise ratios

Notes

For Research Use Only. Not for use in diagnostic procedures.

Storage

Store at -80 centigrade.

Shipping

Dry Ice

GENE INFORMATION

Gene Name

ABCC11 ATP binding cassette subfamily C member 11 [Homo sapiens (human)]

Official Symbol

ABCC11

Synonyms

ABCC11; ATP-binding cassette, sub-family C (CFTR/MRP), member 11; ATP-binding cassette sub-family C member 11; MRP8; multi-resistance protein 8; ATP-binding cassette protein C11; ATP-binding cassette transporter MRP8; multidrug resistance-associated protein 8; ATP-binding cassette transporter sub-family C member 11; WW; EWWD;

Gene ID

85320

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mRNA Refseq	NM_032583
Protein Refseq	NP_115972
MIM	607040
UniProt ID	Q96J66

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