

VT-nonHTS-MRP5-HEK293 cGMP 1.0 VT-HTS-MRP5-HEK293 cGMP 1.0	 SOLVO Biotechnology	
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Membrane Product Data Sheet [MRP5-HEK293-VT]

Catalogue number:	SB-MRP5-HEK293-VT	
Description:	Isolated HEK293 cell membranes, containing human MRP5	
Date of production (dd.mmm.yyyy):	<input type="text"/>	
Expiry date (dd.mmm.yyyy):	<input type="text"/>	when stored at $-80\text{ }^{\circ}\text{C}$
Packaging:	1 tube containing membrane suspended in 50 mM TrisHCl, 250 mM sucrose (pH 7.4), 8 $\mu\text{g/ml}$ aprotinin, 10 $\mu\text{g/ml}$ leupeptin, 50 $\mu\text{g/ml}$ PMSF	
Total volume:	500 μl	
Protein concentration:	5 mg/ml	
Total protein:	2.5 mg	
	Normal range:	Specific activity:
ATP dependent $^3\text{H-cGMP}$ transport [pmol/mg/min]	0.6 – 1.2	<input type="text"/>
Intended use:	for vesicular transport assay only	

Methods:

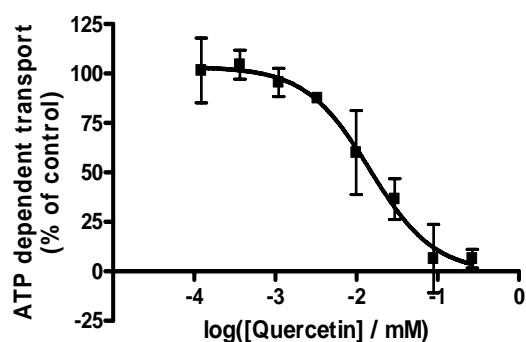
Protein concentrations were determined using the BCA assay. ATP dependent $^3\text{H-cGMP}$ transport was determined as described in the assay protocol (drug free control).

Storage and handling:

- Store at $-80\text{ }^{\circ}\text{C}$.
- Thaw membranes in a water bath at $25\text{ }^{\circ}\text{C}$, then store on ice until use.
- The vesicular structure of the membrane preparation might be destroyed upon freezing and thawing. If you are using a membrane stock that has been thawed and frozen always include membrane validation in your assay (drug free control – see assay protocol for details).

Note: We strongly recommend using SB-HEK293-CTRL as a transporter negative control.

Effect of Quercetin on $^3\text{H-cGMP}$ transport



Validated by:

Date: