

VT-HTS-MRP5-HEK293-cGMP VT-nHTS-MRP5-HEK293-cGMP	 SOLVO Biotechnology	
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Membrane Product Data Sheet [HEK293-CTRL]

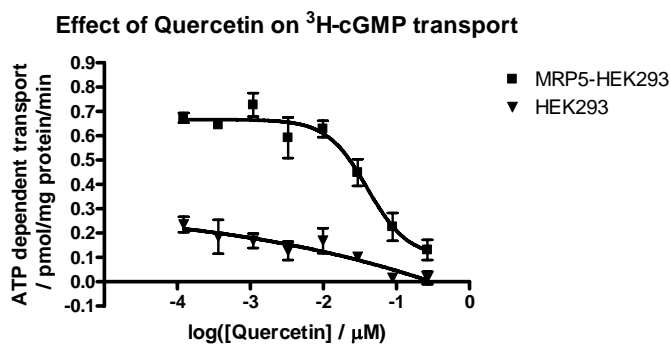
Catalogue number:	SB-HEK293-CTRL		
Description:	Isolated HEK293 cell membranes		
Date of production (dd.mmm.yyyy):	<input type="text"/>		
Expiry date (dd.mmm.yyyy):	<input type="text"/>	when stored at -80°C	
Packaging:	1 tube containing membrane suspended in 50 mM TrisHCl, 250 mM sucrose (pH 7.4), 8 $\mu\text{g/ml}$ 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 @ 1 μM [pmol/mg/min]	0.05 – 0.15		
Intended use:	control membrane for vesicular transport assay (for SB-MRP5-HEK293-VT membrane)		

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°C .
- Thaw membranes in a water bath at 25°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).



Validated by:

Date: