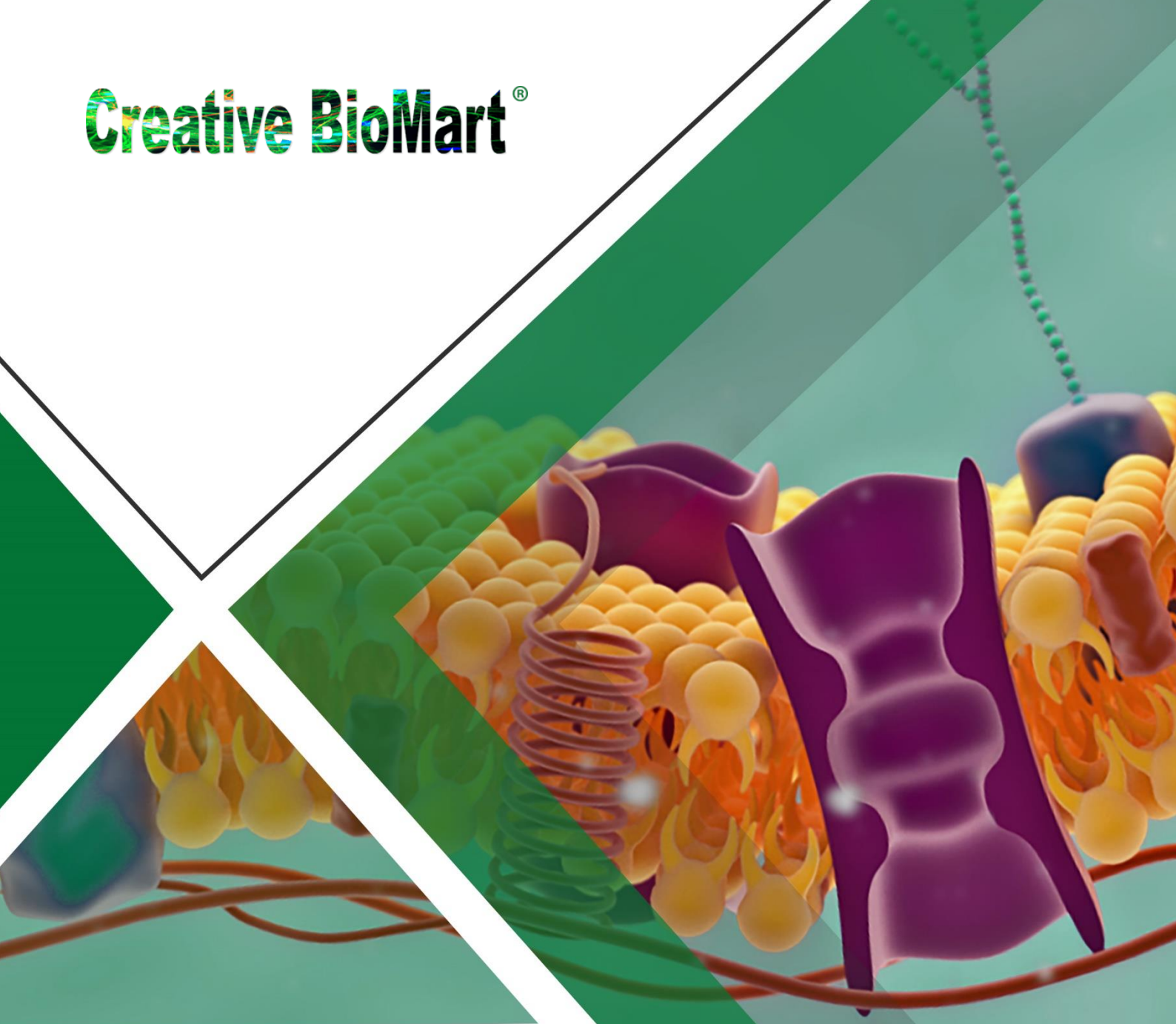


# Creative BioMart®



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## Transporters

Transport proteins are proteins that transport substances across biological membranes. Transport proteins are found within the membrane itself, where they form a channel, or a carrying mechanism, to allow their substrate to pass from one side to the other.

Very few molecules enter or leave cells, or cross organellar membranes, unaided by proteins. Even transport of molecules, such as water and urea that can diffuse across pure phospholipid bilayers, is frequently accelerated by transport proteins. All the transport proteins exhibit a high degree of specificity for the substance transported.

Transporters are typically expressed in all organs involved in the uptake, distribution, and elimination of drugs, including the gastrointestinal tract, the blood-brain barrier, the liver, and the kidneys. Interaction of drugs with transporters can alter their behavior in membrane transport, which may result in, for example, active uptake, efflux, and rapid elimination. In other words, the pharmacokinetics of a drug may be influenced by transporters. Apart from a metabolic component, drug-drug and drug-nutrient interactions may involve transporters. There is hope that in the near future the experimental 3D structures of the key transporters will be elucidated. However, while the basic knowledge of transporters is rapidly growing, their real clinical significance remains open to debate despite some convincing theories.

To study the functional properties of the different kinds of transport proteins, researchers need experimental systems in which a particular transport protein predominates. Creative BioMart provides a set of high purity recombinant transporter proteins, which are convenient research tools for transporter functional properties study.

### Recombinant Transporter Products List

Cat.No.	Product Name	Protein Length	Molecular Mass (kDa)
ABCB7-23H	Recombinant Human ABCB7, GST-tagged	39-753	104.39
SLC29A2-654H	Recombinant Human SLC29A2 Protein, GST-tagged	1-361	65.45
ABCD3-055H	Recombinant Human ABCD3 Protein, GST-Tagged	1-236	51.7
SLC23A1-655H	Recombinant Human SLC23A1 Protein, GST-tagged	1-259	54.23
TIMM13-656H	Recombinant Human TIMM13 Protein, GST-tagged	1-95	36.19
ABCG4-068H	Recombinant Human ABCG4 Protein, GST-Tagged	1-646	96.8
SLC39A7-657H	Recombinant Human SLC39A7 Protein, GST-tagged	1-469	77.11
SLC39A5-659H	Recombinant Human SLC39A5 Protein, GST-tagged	21-539	82.83
TAP2-660H	Recombinant Human TAP2 Protein, GST-tagged	1-686	101.2
ABCC13-046H	Recombinant Human ABCC13 Protein, GST-Tagged	1-169	45.9
ABCC5-049H	Recombinant Human ABCC5 Protein, GST-Tagged	1-208	50.1
SLC7A9-662H	Recombinant Human SLC7A9 Protein, GST-tagged	1-487	79.9
TAAR6-663H	Recombinant Human TAAR6 Protein, GST-tagged	1-345	64.9
ABCA6-034H	Recombinant Human ABCA6 Protein, GST-Tagged	1-185	47.8
ABCC6-051H	Recombinant Human ABCC6 Protein, GST-Tagged	1-99	37.2
SLC23A2-664H	Recombinant Human SLC23A2 Protein, GST-tagged	1-425	72.8
SLC35A1-665H	Recombinant Human SLC35A1 Protein, GST-tagged	1-337	63.2
SLC6A11-666H	Recombinant Human SLC6A11 Protein, GST-tagged	1-208	49.4
ABCC10-043H	Recombinant Human ABCC10 Protein, GST-Tagged	1-282	57
CUTC-2138H	Recombinant Human CUTC Protein, GST-tagged	1-273	55.7
ABCA8-036H	Recombinant Human ABCA8 Protein, GST-Tagged	1-266	57.2
TAP2-660H	Recombinant Human TAP2 Protein, GST-tagged	1-686	101.2
ABCF2-060H	Recombinant Human ABCF2 Protein, GST-Tagged	1-623	97.7
SLC11A1-1264H	Recombinant Human SLC11A1 protein, GST-tagged	1-178	45.6

<b>SLC35D2-667H</b>	Recombinant Human SLC35D2 Protein, GST-tagged	1-249	53.1
<b>ABCD1-3738H</b>	Recombinant Human ABCD1, GST-tagged	1-745	109.3
<b>CLCN5-1418H</b>	Recombinant Human CLCN5 Protein, GST-tagged	1-746	109.5
<b>SLC22A5-668H</b>	Recombinant Human SLC22A5 Protein, GST-tagged	1-557	89.1
<b>ABCG2-19H</b>	Recombinant Human ABCG2, GST-tagged	1-655	98.7
<b>ABCE1-057H</b>	Recombinant Human ABCE1 Protein, GST-Tagged	1-599	93.7
<b>SLC29A1-669H</b>	Recombinant Human SLC29A1 Protein, GST-tagged	1-456	76.6
<b>SLC22A2-670H</b>	Recombinant Human SLC22A2 Protein, GST-tagged	1-555	89
<b>ABCG1-063H</b>	Recombinant Human ABCG1 Protein, GST-Tagged	1-678	102
<b>SLC39A8-671H</b>	Recombinant Human SLC39A8 Protein, GST-tagged	1-460	76
<b>SLC13A3-672H</b>	Recombinant Human SLC13A3 Protein, GST-tagged	1-602	93.2
<b>SLC39A10-673H</b>	Recombinant Human SLC39A10 Protein, GST-tagged	1-831	120.5
<b>ABCC11-044H</b>	Recombinant Human ABCC11 Protein, GST-Tagged	1-553	88.5
<b>SLC43A2-674H</b>	Recombinant Human SLC43A2 Protein, GST-tagged	1-569	89.1
<b>DIRC2-5196H</b>	Recombinant Human DIRC2 Protein, GST-tagged	1-478	78.5
<b>SLC5A1-2775H</b>	Recombinant Human SLC5A1, GST-tagged	1-664	99.99
<b>TAP1-675H</b>	Recombinant Human TAP1 Protein, GST-tagged	1-808	113.6
<b>SLC26A4-317H</b>	Recombinant Human SLC26A4 protein, GST-tagged	1-780	112.75
<b>TAAR6-676H</b>	Recombinant Human TAAR6 Protein		38.5
<b>SLC22A1-677H</b>	Recombinant Human SLC22A1 Protein		61
<b>SLC39A12-678H</b>	Recombinant Human SLC39A12 Protein		76.1
<b>ABCG8-069H</b>	Recombinant Human ABCG8 Protein		74.1
<b>STK39-679H</b>	Recombinant Human STK39 Protein, GST-tagged		85.9
<b>ABCG2-065H</b>	Recombinant Human ABCG2 Protein		72.3
<b>SLC10A1-680H</b>	Recombinant Human SLC10A1 Protein		38.4
<b>SLC39A14-681H</b>	Recombinant Human SLC39A14 Protein		53
<b>SLC22A16-682H</b>	Recombinant Human SLC22A16 Protein		63.5

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