

## Recombinant Human SLC22A4 Protein (R2-F551), 8xHis-MBP, Flag tagged

Cat. No. SLC22A4-1216H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human 8His-MBP-TEV-(GG)-SLC22A4(R2-F551)-Flag Protein was expressed in Insect cell.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	R2-F551
<b>Description</b>	Sodium-ion dependent, low affinity carnitine transporter. Probably transports one sodium ion with one molecule of carnitine. Also transports organic cations such as tetraethylammonium (TEA) without the involvement of sodium. Relative uptake activity ratio of carnitine to TEA is 1.78. A key substrate of this transporter seems to be ergothioneine (ET).
<b>Form</b>	Liquid
<b>Endotoxin</b>	< 0.01 EU per µg of the protein
<b>Purity</b>	80%
<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.

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<b>Storage</b>	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Storage Buffer</b>	Formulation:
<b>Shipping</b>	It is shipped out with blue ice.

## GENE INFORMATION

<b>Gene Name</b>	SLC22A4 solute carrier family 22 (organic cation/ergothioneine transporter), member 4 [ Homo sapiens (human) ]
<b>Official Symbol</b>	SLC22A4
<b>Synonyms</b>	SLC22A4; solute carrier family 22 (organic cation/ergothioneine transporter), member 4; solute carrier family 22 member 4; MGC34546; OCTN1; ET transporter; ergothioneine transporter; integral membrane transport protein; organic cation/carnitine transporter 1; MGC40524;
<b>Gene ID</b>	6583
<b>mRNA Refseq</b>	NM_003059
<b>Protein Refseq</b>	NP_003050
<b>MIM</b>	604190
<b>UniProt ID</b>	Q9H015

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