Recombinant Human SLC22A4 Protein (R2-F551), 8×His-MBP, Flag tagged

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

SPECIFICATION

Product Overview	Recombinant Human 8His-MBP-TEV-(GG)-SLC22A4(R2-F551)-Flag Protein was expressed in Insect cell.
Species	Human
Source	Insect Cells
ProteinLength	R2-F551
Description	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).
Form	Liquid
Endotoxin	< 0.01 EU per μg of the protein
Purity	80%
Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.

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Storage	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.
Storage Buffer	Formulation:
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	SLC22A4 solute carrier family 22 (organic cation/ergothioneine transporter), member 4 [Homo sapiens (human)]
Official Symbol	SLC22A4
Synonyms	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;
Gene ID	6583
mRNA Refseq	NM_003059
Protein Refseq	NP_003050
MIM	604190
UniProt ID	Q9H015

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