

Recombinant Human SLC22A6 Protein (A2-L563), 8xHis-MBP, Flag tagged

Cat. No. SLC22A6-0602H Lot. No. (See product label)

SPECIFICATION

Product Overview

Recombinant Human 8His-MBP-TEV-(GG)-SLC22A6(A2-L563)-Flag Protein was expressed in Insect cell.

Species

Human

Source

Insect Cells

ProteinLength

A2-L563

Description

Involved in the renal elimination of endogenous and exogenous organic anions. Functions as organic anion exchanger when the uptake of one molecule of organic anion is coupled with an efflux of one molecule of endogenous dicarboxylic acid (glutarate, ketoglutarate, etc). Mediates the sodium-independent uptake of 2,3-dimercapto-1-propanesulfonic acid (DMPS). Mediates the sodium-independent uptake of p-aminohippurate (PAH), ochratoxin (OTA), acyclovir (ACV), 3'-azido-3'-deoxythymidine (AZT), cimetidine (CMD), 2,4-dichloro-phenoxyacetate (2,4-D), hippurate (HA), indoleacetate (IA), indoxyl sulfate (IS) and 3-carboxy-4-methyl-5-propyl-2-furanpropionate (CMPF), cidofovir, adefovir, 9-(2-phosphonylmethoxyethyl) guanine (PMEG), 9-(2-phosphonylmethoxyethyl) diaminopurine (PMEDAP) and edaravone sulfate. PAH uptake is inhibited by p-chloromercuribenzenesulphonate (PCMBS), diethyl pyrocarbonate (DEPC), sulindac, diclofenac, carprofen, glutarate and okadaic acid. PAH uptake is inhibited by benzothiazolylcysteine (BTC), S-chlorotrifluoroethylcysteine (CTFC), cysteine S-conjugates S-dichlorovinylcysteine (DCVC), furosemide, steviol, phorbol 12-myristate 13-acetate (P

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	MA), calcium ionophore A23187, benzylpenicillin, furosemide, indomethacin, bumeta mide, losartan, probenecid, phenol red, urate, and alpha-ketoglutarate.
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.
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	SLC22A6 solute carrier family 22 (organic anion transporter), member 6 [Homo sapiens (human)]
Official Symbol	SLC22A6
Synonyms	SLC22A6; solute carrier family 22 (organic anion transporter), member 6; solute carrier family 22 member 6; OAT1; PAHT; ROAT1; hPAHT; hROAT1; PAH transporter; organic anion transporter 1; para-aminohippurate transporter; renal organic anion transporter 1; HOAT1; FLJ55736; MGC45260;

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Gene ID	9356
mRNA Refseq	NM_004790
Protein Refseq	NP_004781
MIM	607582
UniProt ID	Q4U2R8

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