

SLC43 – Na⁺-independent, system-L like amino acid transporter family

Human gene name	Protein name	Aliases	Predominant substrates	Transport type / coupling ions ^{*)}	Tissue distribution and cellular / subcellular expression	Link to disease	Human gene locus	Sequence accession ID	Splice variants and their features
SLC43A1	LAT3	POV1	neutral amino acids	F	pancreas, liver, skeletal muscle, kidney (podocyte)		11p11.2-p11.1	NM_003627	
SLC43A2	LAT4		neutral amino acids	F	placenta, kidney, intestine		17p13.3	NM_152346	
SLC43A3	EEG1			O	fetal liver, lung, placenta, kidney		11q11	NM_017611 NM_199329 NM_014096	3 splice variants

*) C: Cotransporter; E: Exchanger; F: Facilitated transporter; O: Orphan transporter

References:

Original version of the SLC table:

[Hediger MA, Romero MF, Peng JB, Rolfs A, Takanaga H, Bruford EA.](#) The ABCs of solute carriers: physiological, pathological and therapeutic implications of human membrane transport proteins: Introduction. *Pflugers Arch.* 2004 Feb;447(5):465-8.

Questions & Comments