

SLC46 – Folate 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
SLC46A1	PCFT		folate	C / H ⁺	intestine (apical membrane)	hereditary folate malabsorption	17q11.2	NM_080669.3	
SLC46A2	TSCOT	Ly110		O	thymus, kidney	(cervical cancer)	9q32	NM_033051.3	
SLC46A3	PCFT			O			13q12.3	NM_181785.3 NM_001135919	2 splice variants

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

References:

Original version of the SLC table:

[Zhao R, Matherly LH, Goldman ID.](#) Membrane transporters and folate homeostasis: intestinal absorption and transport into systemic compartments and tissues. *Expert Rev Mol Med.* 2009;11:e4.

Questions & Comments