

## SLC20 – Type III Na<sup>+</sup>-phosphate cotransporter 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
<a href="#">SLC20A1</a>	PiT-1	Gibbon ape leukemia virus receptor 1, GLVR1, Glvr-1, FLJ41426, DKFZp686J2397	P <sub>i</sub> , Na <sup>+</sup>	C / Na <sup>+</sup> / P <sub>i</sub>	widely expressed: highest in bone marrow; likely expressed on basolateral membranes of polarized epithelia	SNP to echocardiographic left ventricular traits in hypertensive blacks, overexpression in Werner syndrome connected with soft tissue calcification	2q11-q14	<a href="#">NM_005415</a>	
<a href="#">SLC20A2</a>	PiT-2	amphotropic murine leukemia virus receptor, Gibbon ape leukemia virus receptor 2, GLVR2, Glvr-2, MLVAR	P <sub>i</sub> , Na <sup>+</sup>	C / Na <sup>+</sup> / P <sub>i</sub>	widely expressed: highest in heart; likely expressed on basolateral membranes of polarized epithelia		8p12-p11	<a href="#">NM_006749</a>	

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

### References:

*Original version of the SLC table:*

[Collins JF, Bai L, Ghishan FK](#). The SLC20 family of proteins: dual functions as sodium-phosphate cotransporters and viral receptors. *Pflügers Arch.* 2004 Feb;447(5):647-52.