

SLC45 – Putative sugar 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 |
|-------------------------|--------------|--------------|------------------------|--|---|---|------------------|---|------------------------------------|
| SLC45A1 | DNB5 | Past-A | glucose, galactose | C / H ⁺ | brain, fetal kidney | | 1p36.1-p36.2 | NM_001080397 | |
| SLC45A2 | MATP | AIM1 | | O | skin, eye | oculocutaneous albinism type IV, skin/hair/eye pigmentation 5, (melanoma) | 5p13.3 | NM_016180 NM_001012509 | 2 splice variants |
| SLC45A3 | prostein | IPCA-6,p501s | | O | prostate | prostate cancer | 1q32.1 | NM_033102.2 | |
| SLC45A4 | | | | O | brain, fetal kidney | | 8q24.3 | NM_001080431 | |

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

Questions & Comments