SLC25 family of mitochondrial transporters in GtoPdb v.2023.1

Edmund R.S. Kunji¹

1. University of Cambridge, UK

Abstract

Mitochondrial carriers are nuclear-encoded proteins, which translocate solutes across the inner mitochondrial membrane. Mitochondrial carriers are functional as monomers and have six TM alpha-helices and the termini in the mitochondrial intermembrane space.

Contents

This is a citation summary for SLC25 family of mitochondrial transporters in the Guide to Pharmacology database (GtoPdb). It exists purely as an adjunct to the database to facilitate the recognition of citations to and from the database by citation analyzers. Readers will almost certainly want to visit the relevant sections of the database which are given here under database links.

GtoPdb is an expert-driven guide to pharmacological targets and the substances that act on them. GtoPdb is a reference work which is most usefully represented as an on-line database. As in any publication this work should be appropriately cited, and the papers it cites should also be recognized. This document provides a citation for the relevant parts of the database, and also provides a reference list for the research cited by those parts. For further details see [1].

Please note that the database version for the citations given in GtoPdb are to the most recent preceding version in which the family or its subfamilies and targets were substantially changed. The links below are to the current version. If you need to consult the cited version, rather than the most recent version, please contact the GtoPdb curators.

Database links

SLC25 family of mitochondrial transporters
https://www.guidetopharmacology.org/GRAC/FamilyDisplayForward?familyId=147
Mitochondrial di- and tri-carboxylic acid transporter subfamily
https://www.guidetopharmacology.org/GRAC/FamilyDisplayForward?familyId=203
Transporters
CIC(Mitochondrial citrate transporter)
https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=1051
DIC(Mitochondrial dicarboxylate transporter)
https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=1052
OGC(Mitochondrial oxoglutarate carrier)
https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=1053
ODC(Mitochondrial oxodicarboxylate carrier)
https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=1057
SLC25A34
https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=1085
SLC25A35
https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=1086

Mitochondrial amino acid transporter subfamily
https://www.guidetopharmacology.org/GRAC/FamilyDisplayForward?familyId=204

Transporters
solute carrier family 25 member 47
https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=2558
solute carrier family 25 member 48
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GC2(Mitochondrial glutamate carrier 2)
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GC1(Mitochondrial glutamate carrier 1)
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ORC2(Mitochondrial ornithine transporter 2)
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MCFP
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Mitochondrial phosphate transporters
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PHC(Mitochondrial phosphate carrier)
https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=1061

Mitochondrial nucleotide transporter subfamily
https://www.guidetopharmacology.org/GRAC/FamilyDisplayForward?familyId=206

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ANT2(Mitochondrial adenine nucleotide translocator 2)
https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=1063
ANT3(Mitochondrial adenine nucleotide translocator 3)
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ANT4(Mitochondrial adenine nucleotide translocator 4)
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GDC(Graves disease carrier)
https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=1071
PMP34(Peroxisomal membrane protein)
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APC2 (Mitochondrial phosphate carrier 2)
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APC3 (Mitochondrial phosphate carrier 3)
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Mitochondrial uncoupling proteins
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UCP3 (Uncoupling protein 3)
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UCP4 (Uncoupling protein 4)
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UCP5 (Uncoupling protein 5)
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KMCP1
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Miscellaneous SLC25 mitochondrial transporters
https://www.guidetopharmacology.org/GRAC/FamilyDisplayForward?familyId=209

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mitochondrial carrier 1
https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=2554
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SLC25A46
References

