

Other non-GPCR 7TM proteins in GtoPdb v.2025.2

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Abstract

These proteins are predicted to have 7TM domains, but functional studies have yet to confirm them as G protein-coupled receptors.

Contents

This is a citation summary for Other non-GPCR 7TM proteins 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

Other non-GPCR 7TM proteins

<https://www.guidetopharmacology.org/GRAC/FamilyDisplayForward?familyId=113>

Receptors

GPR107

<https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=651>

GPR137

<https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=652>

TPRA1

<https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=655>

GPR157

<https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=205>

References

1. Buneman P, Christie G, Davies JA, Dimitrellou R, Harding SD, Pawson AJ, Sharman JL and Wu Y. (2020) Why data citation isn't working, and what to do about it *Database* **2020** [PMID:32367113]
2. Edgar AJ. (2007) Human GPR107 and murine Gpr108 are members of the LUSTR family of proteins found in both plants and animals, having similar topology to G-protein coupled receptors. *DNA Seq* **18**: 235-41 [PMID:17454009]
3. Yosten GL, Redlinger LJ and Samson WK. (2012) Evidence for an interaction of neuronostatin with the orphan G protein-coupled receptor, GPR107. *Am J Physiol Regul Integr Comp Physiol* **303**: R941-9 [PMID:22933024]