Kisspeptin receptor in GtoPdb v.2023.1

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Abstract

The kisspeptin receptor (nomenclature as agreed by the NC-IUPHAR Subcommittee on the kisspeptin receptor [111]), like neuropeptide FF (NPFF), prolactin-releasing peptide (PrP) and QRFP receptors (provisional nomenclature) responds to endogenous peptides with an arginine-phenylalanine-amide (RFamide) motif. kisspeptin-54 (KP54, originally named metastin), kisspeptin-13 (KP13) and kisspeptin-10 (KP10) are biologically-active peptides cleaved from the KISS1 (Q15726) gene product. Kisspeptins have roles in, for example, cancer metastasis, fertility/puberty regulation and glucose homeostasis.

Contents

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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

Kisspeptin receptor
https://www.guidetopharmacology.org/GRAC/FamilyDisplayForward?familyId=34
Introduction to Kisspeptin receptor
https://www.guidetopharmacology.org/GRAC/FamilyIntroductionForward?familyId=34
Receptors
kisspeptin receptor
https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=266

References

Activation of GPR54 promotes cell cycle arrest and apoptosis of human tumor cells through a specific transcriptional program not shared by other Gq-coupled receptors. *Biochim Biophys Res Commun* **326**: 677-86 [PMID:15596153]


