

Glycoprotein hormone receptors (version 2019.4) in the IUPHAR/BPS Guide to Pharmacology Database

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Abstract

Glycoprotein hormone receptors (**provisional nomenclature [45]**) are activated by a non-covalent heterodimeric glycoprotein made up of a common α chain ([glycoprotein hormone common alpha subunit CGA, P01215](#)), with a unique β chain that confers the biological specificity to **FSH, LH, hCG** or **TSH**. There is binding cross-reactivity across the endogenous agonists for each of the glycoprotein hormone receptors. The deglycosylated hormones appear to exhibit reduced efficacy at these receptors [120].

Contents

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[Glycoprotein hormone receptors](#)

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Receptors

FSH receptor

<http://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=253>

LH receptor

<http://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=254>

TSH receptor

<http://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=255>

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