

## Glycoprotein hormone receptors in GtoPdb v.2023.1

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### Abstract

Glycoprotein hormone receptors (**provisional nomenclature [47]**) are activated by a non-covalent heterodimeric glycoprotein made up of a common  $\alpha$  chain ([glycoprotein hormone common alpha subunit CGA, P01215](#)), with a unique  $\beta$  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 [122, 31].

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### Database links

#### Glycoprotein hormone receptors

<https://www.guidetopharmacology.org/GRAC/FamilyDisplayForward?familyId=30>

#### Introduction to Glycoprotein hormone receptors

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#### Receptors

##### FSH receptor

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

LH receptor

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

TSH receptor

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

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