

## Glycoprotein hormones, alpha polypeptide

Glycoprotein hormones, alpha polypeptide is a protein that in humans is encoded by the CGA gene.

The gonadotropin hormones, human chorionic gonadotropin (hCG), luteinizing hormone (LH), follicle-stimulating hormone (FSH), and thyroid-stimulating hormone (TSH) are heterodimers consisting of alpha and beta subunits (also called chains) that are associated non-covalently. The alpha subunits of these four human glycoprotein hormones are identical; however, their beta chains are unique and confer biological specificity. The protein encoded by this gene is the alpha subunit and belongs to the glycoprotein hormones alpha chain family.

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Last update: **2024/06/07 02:54**

