

GPR101

Probable G-protein coupled receptor 101 is a [protein](#) that in humans is encoded by the GPR101 [gene](#).

G protein-coupled receptors (GPCRs, or GPRs) contain 7 transmembrane domains and transduce extracellular signals through heterotrimeric G proteins.

A duplication event in GPR101 is implicated in cases of [gigantism](#) and [acromegaly](#).

Germline GPR101 mutations are very rare in patients with sporadic [pituitary neuroendocrine tumors](#) of various histotypes. No digenism with AIP was identified. Further studies are required to establish whether and how genetic variation in GPR101 gene contributes to pituitary [tumorigenesis](#) ¹⁾

¹⁾

Lecoq AL, Bouligand J, Hage M, Cazabat L, Salenave S, Linglart A, Young J, Guiochon-Mantel A, Chanson P, Kamenicky P. Very low frequency of germline GPR101 genetic variation and no biallelic defects with AIP in a large cohort of patients with sporadic pituitary neuroendocrine tumors. Eur J Endocrinol. 2016 Jan 20. pii: EJE-15-1044. [Epub ahead of print] PubMed PMID: 26792934.

From:

<https://neurosurgerywiki.com/wiki/> - **Neurosurgery Wiki**

Permanent link:

<https://neurosurgerywiki.com/wiki/doku.php?id=gpr101>

Last update: **2024/06/07 02:58**

