

# S443G — WFS1 Molecular Atlas Card

**Variant type:** Missense

**Substitution:** Serine (S) → Glycine (G) at position 443

**Domain context:** Transmembrane helix 5

---

## ALPHAMISSENSE

---

- **Pathogenicity score:** 0.2907
- **Class:** likely benign

## ALPHAFOLD CONFIDENCE

---

- **pLDDT at residue 443:** 88.19

> **DynaMut2  $\Delta\Delta G$ :** not yet computed for this variant — AlphaMissense + AlphaFold

> confidence shown above. Stability  $\Delta\Delta G$  and the wild-type/mutant structural

> comparison backfill behind this note.

---

## CLINICAL EVIDENCE

---

- **Classification:** Uncertain significance
  - **Review status:** criteria provided, single submitter
  - **cDNA change:** c.1327A>G
  - **ClinVar accession:** VCV002061217
  - **Last evaluated:** 2022/11/22 00:00
  - **Submissions:** 1
-

Card generated by `wolfram-atlas-batch` (missense AlphaMissense mint) on 2026-06-08T02:27:33.536476Z.

AlphaMissense (Cheng et al. 2023) · AlphaFold model v6 · UniProt O76024.