

# R24C — WFS1 Molecular Atlas Card

**Variant type:** Missense

**Substitution:** Arginine (R) → Cysteine (C) at position 24

**Domain context:** N-terminal cytoplasmic (intrinsically disordered)

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## ALPHAMISSENSE

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- **Pathogenicity score:** 0.2878
- **Class:** likely benign

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## ALPHAFOLD CONFIDENCE

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- **pLDDT at residue 24:** 27.47

> **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.

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## CLINICAL EVIDENCE

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- **Classification:** Uncertain significance/Uncertain risk allele
- **Review status:** criteria provided, multiple submitters, no conflicts
- **Associated conditions:** Cataract 41; Autosomal dominant nonsyndromic hearing loss 6; Type 2 diabetes mellitus; Wolfram syndrome 1; Wolfram-like syndrome; WFS1-Related Spectrum Disorders
- **cDNA change:** c.70C>T
- **ClinVar accession:** VCV000349303
- **Last evaluated:** 2024/01/18 00:00
- **Submissions:** 1

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Card generated by wolfram-atlas-batch (missense AlphaMissense mint) on 2026-06-08T02:27:33.319150Z.

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