

L627= — WFS1 Molecular Atlas Card

Variant type: Synonymous (silent)

Codon: position 627 (Leucine, L) — amino acid unchanged

Domain context: C-terminal ER-lumenal (calcium binding, calmodulin, chaperone)

SCHEMA CATEGORY: SILENT — SILENT — NO AMINO-ACID CHANGE

No amino-acid change (L627 is unchanged): the codon is altered but the protein sequence is identical to wild-type. No structural, stability or AlphaMissense effect applies. Synonymous variants are typically benign unless they affect splicing or regulatory elements; this one is not adjacent to an exon boundary.

CLINICAL EVIDENCE

- **Classification:** Likely benign
 - **Review status:** criteria provided, single submitter
 - **cDNA change:** c.1879C>T
 - **ClinVar accession:** VCV002049619
 - **Last evaluated:** 2025/01/25 00:00
 - **Submissions:** 1
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Card generated by wolfram-atlas-batch (synonymous pipeline) on 2026-06-08T02:55:15.476047Z.

WFS1: UniProt O76024, AlphaFold v6. Synonymous variants carry no protein-structural effect.