

MEDIA REFERENCE · JULY 21, 2026

GenesisL1 Media Fact Sheet

Technical Whitepaper, Version 1.0, July 2026. Facts below preserve the publication's separation between deployed, proof-of-concept, in-development, planned and unaudited components.

In one sentence

GenesisL1 is a live, public, permissionless EVM-compatible Layer 1 that brings scientific data, content-addressed models, deterministic computation, programmable rights, protected intellectual property, governance and autonomous software into one decentralized ledger.

Core facts

- GenesisL1 has produced blocks since November 2021.
- The network combines a Cosmos SDK and CometBFT application chain with an integrated EVM.
- L1 coin is the native infrastructure asset used for transaction gas, proof-of-stake bonding, governance voting power and community-pool funding; applications may also use L1 for settlement.
- The initial 21,000,000 L1 genesis mint was distributed through a public one-to-one transition. The whitepaper reports no token sale and no reserved or preferential founder or investor allocation. L1 is inflationary under parameters governed on-chain.
- MOLNFT first-generation collections represent more than 733,919 tokenized molecular structures.
- A second-generation MOLNFT deployment reports roughly 229,000 Protein Data Bank structures and approximately one million sequences, about 50 GB of logical scientific payload written into chain state. Reconstruction has been demonstrated for selected structures; checksum-complete corpus validation remains pending.
- GLAST is the deployed operator-local metadata and sequence-search service using Whoosh indexing and Parasail alignment. It is distinct from the proposed GLAST-RIGID-1 three-dimensional structural-alignment research program.
- GL1F publishes content-addressed Model NFTs and executes deterministic, fixed-point gradient-boosted inference inside the EVM.
- A compact quantized neural-policy contract demonstrates neural inference inside the EVM as a proof of concept.
- CIPNFT provides encrypted capsules, provenance, recipient-bound disclosure and an evidence-rich v1 exchange process for attributable counterparties.
- CIPNFT's ML-KEM-768 envelope mode is optional and experimental. It does not make GenesisL1 account signatures post-quantum.

- No comprehensive independent audit of the GenesisL1 node integration or canonical MOLNFT, GL1F and CIPNFT contract suites has yet been published.

In development

- Independent validation of a MOLNFT-to-GL1F scientific workflow.
- GLAST-RIGID-1 deterministic three-dimensional structural alignment.
- GL1-Seq canonical genomic encoding and sequence infrastructure.
- A rewarded IPFS sidecar for large scientific datasets.
- DatasetNFT redevelopment.
- Agent Hub and GL1F Autopilot interfaces for autonomous software.
- A hardened CIPNFT settlement design and independent audit.

Scientific boundary

GenesisL1 makes exact objects, model identities, execution histories, licenses and transfers independently inspectable. Recording or executing something on-chain does not establish its scientific truth, clinical validity or regulatory acceptance.

Verification links

[Whitepaper](#) [Press kit](#) [Explorer](#) [GitHub](#)
[GL1F](#) [MOLNFT](#) [CIPNFT](#)

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