

Certificate of Blockchain Timestamp Verification

Strain Name: PK-Rt-RW

Sample Name: PK-Rt-RW-20240801

Registrant: Zamir Punja

Stamped FileName: [RSP13204_blockchain.vcf.gz](#) 

Stamped File SHA-256 Hash: 10378c98322667fda252a0e65023841dfa8db9f5345088aad05d5107b489f29e

OTS File: [RSP13204_blockchain.vcf.gz.ots](#) 

OTS SHA-256 Hash: 5df4a38b8bf438a1799786c420d3efada6ea4c86b6cca3e5d1c04ff9292cc93d

Block	Date	Transaction ID	Merkle Root	Verified	QR
869311	2024-11-07	00000000...1620490a	153db96f...6e47abc9	✓	
869320	2024-11-07	00000000...11126a1e	5bd48191...b0b5e116	✓	
869324	2024-11-07	00000000...a449d931	98a0ccb7...12d37df4	✓	
869333	2024-11-07	00000000...07c7ae23	700f6221...6c8ad13c	✓	

Success! Your file is blockchain-stamped

2024-11-07 21:28:39 UTC



OTS File Hex Contents (copy/paste friendly)

```
004f78656e54696d657374616d7073000050726f66690bf99e2e884e89294810810378c98322667fda252a0e65023841dfa8db9f5345888aad06d5107b489f29ef010a7e196845090579e513cb8d0b2b5b66208fffb102a77259f7f06b929fc68325448d0cb2208f1
206789c0ba3335dd0825b543ffbeeb297412c46f8ead1dde4fae5befffd3a037d2fc508f104672cd81bf000e59fb9f5b0d871700083dfe30d2ef90c9e2e2d68747470733a2f2f616c8963652e6274632e63616c656e6461722e6f70656e74696d657374616d70732e6f72
67ff61044b1421b0a9eda25308e0ab0a100290b09f0201e7974c6fe5d9222cf59a4bd5fec0d3c5f4ac7a30f92032ae7bf6e3304e7204b08f120b269f68e24dc0e6ce9cc29ca0a64c752f76800a30961d4ac0224a108a1e2c16f08f104672cd81bf000e0bd3ab6c108
9e370083dfe30d2ef90c8e292868747470733a2f2f66696e6e65792e63616c656e6461722e657465726e69747977616c6c2e636f6dfff010cddcfff632ffb04faedbf7c7358e3150008f104672cd81bf00082e03b78f0db2171da0083dfe30d2ef90c8e23226874747073
3a2f2f6274632e63616c656e6461722e636174616c6c6178792e636f6dfe10f3139917f0d4411259f20b7af7b050d208f104672cd81bf000f96ce4e0eb73ad1c0083dfe30d2ef90c8e2c2b68747470733a2f2f626f622e6274632e63616c656e6461722e6f70656e74
696d657374616d70732e6f7267
```

What is this?

The OTS file detailed above can be downloaded with the provided link, but in the event that the OTS file is no longer available for download, it can be recreated using the above HEX textblock.

1. Copy/paste this into a text file, e.g., RSP13204_ots.hex
2. Convert this to an .ots file using a webserver:

https://tomeko.net/online_tools/hex_to_file.php

Alternatively, use the command line:

```
xxd -r -p RSP13204_ots.hex > RSP13204_blockchain.vcf.gz.ots
```

Example: Successfully Validated OpenTimestamps file

Using your stamped file and corresponding OTS file, validate at:

<https://opentimestamps.org/#stamp-and-verify>

This stamp verifies the file's existence at a specific point in time. Validation can be done independently of Medicinal Genomics® using open-source tools. The necessary OTS file to perform this validation can be recreated from this PDF. Medicinal Genomics® does not guarantee that the stamped file will be hosted on their servers indefinitely. Therefore, it is strongly recommended that owners download and securely retain their stamped files.

STAMP & VERIFY

↓

RSP13374_blockchain.vcf.gz.upgraded.ots 3.8 kB
Stamped SHA256 hash: cd0b4063920ace783fe9c86fe1a6afab3c75891a55bb3b4601b14d1cc246f272

↓

RSP13374_blockchain.vcf.gz 2.2 GB
SHA256: cd0b4063920ace783fe9c86fe1a6afab3c75891a55bb3b4601b14d1cc246f272

✓ SUCCESS!

Bitcoin block 894096 attests existence as of 2025-04-26 EST

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