

Certificate of Blockchain Timestamp Verification

Strain Name: PK-Rt-M

Sample Name: PK-Rt-M-20240730

Registrant: Zamir Punja

Stamped FileName: [RSP13203_blockchain.vcf.gz](#) 

Stamped File SHA-256 Hash: [e19a2adaa2e6560d122ce91fa48c7b94855acee4e237be076c68057c89bc353c](#)

OTS File: [RSP13203_blockchain.vcf.gz.ots](#) 

OTS SHA-256 Hash: [64d089e17ddd310395e85dce11fbe60d993dbee3106534146f436f4e787c234e](#)

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)

```
004f79656e54606d57374616d7073000050726f6f600bf99e2e884e892948108c19a2adaa2e6560d122c91fa48c7b94855acee4e237be076c68057c890c353cf010f023f6f9810dd54abbef098500c29f0308fffe1051d9690b49b64bde35b6fdfb31c9078208f1
205aa6cb67c65e0af96bc19910a3b754871961c733727f09209edcbce98be7e708f120c27e08aff43c7f44b3f576a510ef252c0eb32221219a0e03c9e7a531c7366d608f020394b340f43a630b505570d097fed1e7fe054fa6e0190312c81170c7fb83315ef06f1
04672cd7e1f08096f663b6ac9b0f480083dfe30d2ef90c8e2c2b68747470733a2f2f626f622e6274632e63616c656e6461722e6f70656e74696d657374616d70732e6f72677ff010797393d3648425852ea3f57743a7e08a06f1201d7e7d2802dbbcb06e0d33df72e1
088632eb173d41a44ae88989c65944a1402408f12010cf0e8126439579409c37b8b34ca9ef4a596a04f3e1b09eba3bcfefdad500f408f920731051f67587fe5a5ac8af759d235c5454ad61daa574b7e7489eaf4c70521c8608f104672cd7e1f0808a67b669107c23c1
0083dfe30d2ef90c8e232268747470733a2f2f6274632e63616c656e6461722e636174616c6c6178792e636fdfff010cda0a374a8be05821dee853fddc7d0e0d08f120482ff1653bfbd2d9f6739bf353d46f5ff53cfb723e241b5be215c03f109a3a308f120124ed7
3814a80cf0ae5f4df9760f13b52b361dab31e5a14a48a6bd8221e8b6b7608f020fe1484b585cb5b7f19cc064d7c11fb34ffe787dbae8becb5c6d8a3ebc7e45d9a08f020657abe503b8ded6a30fe0421efdd0b08e6e41992e0db9072c562e943ec23bd69a08f104672cd7
e2f008f182dcb184973bee0083dfe30d2ef90c8e2c2d68747470733a2f2f616c6963652e6274632e63616c656e6461722e6f70656e74696d657374616d70732e6f72677f010ee99c2b617a346e2644a27ff9696f52e08f1207f45eca6e6ae7fbb8877f6df6f0de8caf
fd3d49d0c8b751d94008faf37151fe08f104672cd7e1f08089e952ce1e29170bb0083dfe30d2ef90c8e292868747470733a2f2f66696e6e65792e63616c656e6461722e657465726e69747977616c6c2e636f6d
```

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., RSP13203_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 RSP13203_ots.hex > RSP13203_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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