

Certificate of Blockchain Timestamp Verification

Strain Name: PK-Lf-M

Sample Name: PK-Lf-M-20240730

Registrant: Zamir Punja

Stamped FileName: [RSP13201_blockchain.vcf.gz](#) 

Stamped File SHA-256 Hash: [0b3b708113f534740fe3b61e7456124f184ca01cb71e59540615110e64595170](#)

OTS File: [RSP13201_blockchain.vcf.gz.ots](#) 

OTS SHA-256 Hash: [57ed38201ef4ad72704c9d97ea7258cfdbcbfdd31a71e2018af26702e8382cb2](#)

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)

```
004f79650e54606d657374616d7073000050726f6e600bf99e2e884e8929481800b3b708113f534740fe3b61e7456124f194ca01cb71e59540615110e64595170f010bc9b3e5b7690e155bab26b94214c0ce208fffe10085f5d4413dd132af1415ff9c9af31fb0ef0
2092f496cbf244d0400b000d005e1750ca3087e9fe4c8c50505e37a5060397c0be00f120e90840375a067770b98c0eda2a5df420b282dff54a4d9643e7c6170103f0b0f908f104672cd78bf00003c2503af0c3e2ea00083df030d2ef90c0e2e2d08747470733a2f2f61
6c6963652e6274632e63616c656e6461722e6f70656e74696d657374616d70732e6f7267ffff01050d00c240b796faaa3a5c90540f9083608f104672cd78bf008147071c46120537e0083df030d2ef90c0e232268747470733a2f2f6274632e63616c656e6461722e63
6174616c656178792e636f6dfff0106246a0092423c53d1bd39b1ad60ef6d08f104672cd78bf008d345a8b9f3c014c80083df030d2ef90c0e2c2b68747470733a2f2f626f622e6274632e63616c656e6461722e6f70656e74696d657374616d70732e6f7267f0108c
9f2c52b5017df7289ef04a0970c7b08f120ba46b4164fbb142e12cfd0f3f20359e03f543087dd777ec116cd0d9be89b3708f104672cd78bf00896454881d1ada7f80083df030d2ef90c0e292868747470733a2f2f66606e6e65792e63616c656e6461722e657465
726e69747977616c6c2e636f6d
```

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., RSP13201_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 RSP13201_ots.hex > RSP13201_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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