

Certificate of Blockchain Timestamp Verification

Strain Name: JL x MC7

Sample Name: JL x MC7-Flower

Registrant: kevin Mckernan

Stamped FileName: [RSP13213_blockchain.vcf.gz](#) 

Stamped File SHA-256 Hash: 5e6be3f6c056852dab6b95df51f1b5fbb66a89fcdac3c26adc7528982ac4e762

OTS File: [RSP13213_blockchain.vcf.gz.ots](#) 

OTS SHA-256 Hash: 4b0cfd960edbd7f0918eed3e64fa9515d440a54af552c351a766d4b29f9a0e6

Block	Date	Transaction ID	Merkle Root	Verified	QR
869144	2024-11-06	00000000...a30fd7b1	4b3e7a34...ae862108	✓	
869180	2024-11-06	00000000...cbb6cddd	7ef7b83e...f0e43a65	✓	
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)

```
004f79650e54606d657374616d7073000050726f66000bf99e2e884e8929481085e6ba3f6c956852dabb95df51f1b5fbb6a89fcdac3c26adc7528982ac4e762f01061b8b097ad75820e228f575946a8964ec08ffff0102c1cde1270b58e8ca2dbde458420f2ae08f1
94572b881ef0082fa661b52d0436b0083dfe30d2ef99c9e2c2b68747470733a2f2f626f622e0274632e63616c656e6461722e0f70856e74896d657374616d70732e0f7267fff010b74cae22deb3b1e374fdb77e4050b86708f020cffff060cf085562d58e5ff793230c
8cd50017fbfd4a87b5de29720eaf6a32cbf08f104672b881df0085e21eb068c11241a0083dfe30d2ef99c9e292868747470733a2f2f66696e6e65792e63616c656e6461722e657465726e69747977616c6c2e636fdfff010b679be3caddb73f4ca3ee89a9af6f414
08f12009e609ea3621fd07d5e84da9a4561697d7086dd4dd1ebe95a2c2bd9c506ee01908f104672b881df0086731e3404c5a219d0083dfe30d2ef99c9e2e2d08747470733a2f2f2f616c656e6461722e6f70856e74696d657374616d70732e
6f7267f010dd35e0501f29f5c5a8f47db7e62b542208f104672b881df008b1aab3679cf513260083dfe30d2ef99c9e232268747470733a2f2f6274632e63616c656e6461722e636174616c6c6178792e636fd
```

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., RSP13213_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 RSP13213_ots.hex > RSP13213_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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