

Certificate of Blockchain Timestamp Verification

Strain Name: BCP-Stem-FI2

Sample Name: BCP-Stem-FI2-20240730

Registrant: Zamir Punja

Stamped FileName: [RSP13196_blockchain.vcf.gz](#) 

Stamped File SHA-256 Hash: [fc4a870c6c8127b7f854db9a9edc50f15b0f63f5c7b660c64e89aa67a802d009](#)

OTS File: [RSP13196_blockchain.vcf.gz.ots](#) 

OTS SHA-256 Hash: [8127e4e565d783acd8e48ce43cb23506a8b13a1137ae35ebf2f9bb1a2bc6618c](#)

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)

```
004f79650e54606d657374616d7073000050726f66000bf90e2e884e892948108fc4a870c6c8127b7f854db9a9edc50f15b0f63f5c7b600c64e89aa67a082d009f010215c97a1454799c13423928aa079bf7308fffb10066d762b5d426613becdd72d500913b008f1
94572cd009f00807f2106ba94006110083dfe30d2ef90c0e232268747470733a2f2f6274632e63616c050e6461722e636174610c0c6170792e636f6dfff01017aee0f73405b0c7600fa9a108fe4b0b00f020c2a7f02d1616410e5d2809f0d09bc259d1e010c123aea8
ce2315623ef769ab6b00f020d17b0954b76d7b59432763abc73d0e7d241cc7f0eac49a0b7d376dc9235bf1d08f104672cd001f00876ae7a28d1228f00003dfe30d2ef90c0e2e2d68747470733a2f2f616c6063652e6274632e63616c050e6461722e6f70656e7469
6d657374616d70732e6f7267ff010b0984dc728855c684695e6b0883ed04808f02010890fe68e272f2a7001cd4d13a10fc127fac0bd856ec25edd794d91b9a5a7c008f02068d0aad7bbb313930933f4db7f6b29f519e1b9fa1340b441c8730c21fca40608f10467
2cd009f0087ce359a07c0bfa00083dfe30d2ef90c0e2c2b68747470733a2f2f626f622e6274632e63616c050e6461722e6f70656e74696d657374616d70732e6f7267ff010b0e343ef504790c326f9931141900ac9608f020a363ae2c7fb40d20839a82b0d0631dc281
ba08a1131d1fb346918bf0db7bc62708f1209c4b13e85a5430081cb446b08013707aa8360747502737384b1f4ff7a2ef415508f104672cd009f008a06fbc964f3caf270083dfe30d2ef90c0e292868747470733a2f2f66096e6e65792e63616c050e6461722e657465
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., RSP13196_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 RSP13196_ots.hex > RSP13196_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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