

Certificate of Blockchain Timestamp Verification

Strain Name: Donnie Burger

Sample Name: DBg2-Bd_20240925

Registrant: Zamir Punja

Stamped FileName: [RSP13220_blockchain.vcf.gz](#) 

Stamped File SHA-256 Hash: 705dff5d990825c7e1c7474bfaef424af92addffff80b66ed19859584488bec5

OTS File: [RSP13220_blockchain.vcf.gz.ots](#) 

OTS SHA-256 Hash: 7cac2d2e2e536d8631c0d9ae672cfb9e878105c5849339d77c524b539a5f53d5

Block	Date	Transaction ID	Merkle Root	Verified	QR
869016	2024-11-05	00000000...99e232ba	f397da76...720777b1	✓	
869033	2024-11-05	00000000...7cf75dd7	b556659c...c3d84c89	✓	
869111	2024-11-06	00000000...f6651c41	63d89f62...8679b896	✓	

Success! Your file is blockchain-stamped

2024-11-06 11:58:39 UTC



OTS File Hex Contents (copy/paste friendly)

```
004f78650e54606d657374616d7073000050726f60600bf90e2e884e892948108785dfff5d990825c7e1c7474bfaef424af92adddfff08b60ed19859584488bec5f8109d04b56c580b9c9ef808baf380e051e0808fff0105c073606bc72a5eac08077ec86bc31a08f1
94672a6d4bf0080b75b060350c67e70083dfe30d2ef90c0e2c2b68747470733a2f2f626f622e6274632e63616c656e6461722e6f70656e74696d657374616d70732e6f7267ff01070bb79b54d687364254d8bb097bf552006f020df4f5a7eeeee1a376d9eaf7f3952
c25061463f0cc83f54d0536684c64e4ccf5308f02034335687417d3b79ebf9e1dd72afaf1e442ab57ec72bb388ffe4d924328f62db98f104672a6d4cf008400345518ce5ef00803dfe30d2ef90c0e292868747470733a2f2f66696e6e65792e63616c656e6461722e
657465726e69747977616c6c2e636f6dfff01080fe32c482c2975361dcebb8e964b62e708f0207448fb0328311e6c253fd20e3866423f9cbdd4190e0eb22258943f9ce1538cc8f020e0d215b781167343873cf503b006955a17b2ceca77faabea9f79190616e90ca2
08f104672a6d4cf008f2205a1f31e9404d0083dfe30d2ef90c0e2e2d68747470733a2f2f616c6963652e6274632e63616c656e6461722e6f70656e74696d657374616d70732e6f7267f010f788c2dc96d964fcbad7aa7d05b07f4e08f104672a6d4cf0080e01a59d0e
19ea170083dfe30d2ef90c0e232268747470733a2f2f6274632e63616c656e6461722e636174616c6c6178792e636f6d
```

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., RSP13220_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 RSP13220_ots.hex > RSP13220_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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