REGEX CHEAT SHEET

regexguide.com/patterns/bitcoin-address-legacy.html

Bitcoin address (legacy)

P2PKH or P2SH Bitcoin address — starts with 1 or 3.

```
^[13][a-km-zA-HJ-NP-Z1-9]{25,34}$
```

Token-by-token breakdown

Token	Meaning
`^`	start of string (or line in multiline mode)
`[13]`	any of: “1”, “3”
`[a-km-zA-HJ-NP-Z1-9]{25,34}`	between 25 and 34 times: any of: a–k, m–z, A–H, J–N, P–Z, 1–9
`$`	end of string (or line in multiline mode)

Quick usage in 7 languages

JavaScript

```
const re = /^[13][a-km-zA-HJ-NP-Z1-9]{25,34}$/;
re.test(value);
```

Python

```
import re
re.match(r"^[13][a-km-zA-HJ-NP-Z1-9]{25,34}$", value)
```

Java

```
Pattern.compile("^[13][a-km-zA-HJ-NP-Z1-9]{25,34}$").matcher(value).matches();
```

C# / .NET

```
Regex.IsMatch(value, @"^[13][a-km-zA-HJ-NP-Z1-9]{25,34}$");
```

Go

```
regexp.MustCompile(`^[13][a-km-zA-HJ-NP-Z1-9]{25,34}$`).MatchString(value)
```

Ruby

```
/^[13][a-km-zA-HJ-NP-Z1-9]{25,34}$/.match?(value)
```

PHP

```
preg_match('~^[13][a-km-zA-HJ-NP-Z1-9]{25,34}$~', $value);
```

Common pitfalls

- **Anchored to the whole string.** This pattern uses ^ and $, so it requires the entire input to match. To find it inside a longer text, drop the anchors and use the global (g) flag.
- **Case sensitivity.** Letter ranges are case-sensitive — use the i flag if the input case can vary.
- **Validate beyond format.** Matching the format doesn't guarantee the value is real. Confirm the bitcoin address (legacy) against a source of truth (database, API, or checksum) where it matters.