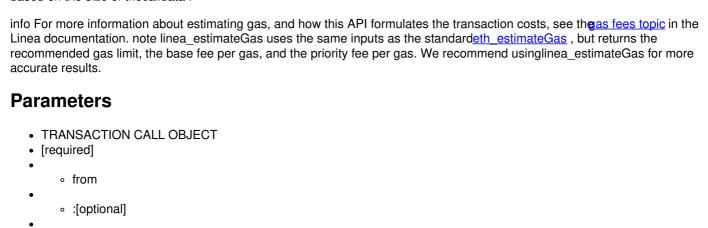
linea estimateGas

Generates and returns the estimated amount of gas required to allow the transaction to complete and be published on Ethereum. The method does not submit the transaction to the blockchain.

ThepriorityFeePerGas returned by this method includes the cost of submitting the transaction to Ethereum, which can vary based on the size of thecalldata.



- to
- :[optional]
- 20 bytes The address the transaction is directed to.

• 20 bytes - The address the transaction is sent from.

- - gas
 - :[optional]
 - Hexadecimal value of the gas provided for the transaction execution.linea estimateGas
- consumes
- zero gas, but this parameter may be needed by some executions.
- gasPrice
- :[optional]
 - Hexadecimal value of the gas price used for each paid gas.
- maxPriorityFeePerGas
- :[optional]
- Maximum fee, in wei, the sender is willing to pay per gas above the base fee.
- maxFeePerGas
- :[optional]
- - Maximum total fee (base fee + priority fee), in wei, the sender is willing to pay per gas.
 - value
 - :[optional]
 - Hexadecimal value of the value sent with this transaction.
- data
 - :[optional]
 - - Hash of the method signature and encoded parameters. See th€thereum contract ABI specification

- block number
- :[optional]
- - A string representing a block number, or one of the string tagslatest
 - ,earliest
- - ,pending
- ,safe
- - · , orfinalized

- See the<u>default block parameter</u>

Returns

Hexidecimal values representing the recommended gas limit, the base fee per gas, and the priority fee per gas.

Example

ReplaceYOUR-API-KEY with an API key from your Infura dashboard .

Request

- cURL
- WSS

```
curl https://linea-mainnet.infura.io/v3/YOUR-API-KEY \ -X POST \ -H "Content-Type: application/json" \ -d
'{"jsonrpc":"2.0","method":"linea_estimateGas","params":
[{"from":"0x42c27251C710864Cf76f1b9918Ace3E585e6E21b","value":"0x1","gasPrice":"0x100000000","gas":"0x21000"}],"id":53}'
wscat -c wss://linea-mainnet.infura.io/ws/v3/YOUR-API-KEY -x '{"jsonrpc":"2.0","method":"linea_estimateGas","params":
[{"from":"0x42c27251C710864Cf76f1b9918Ace3E585e6E21b","value":"0x1","gasPrice":"0x100000000","gas":"0x21000"}],"id":53}'
```

Response

JSON

```
{ "jsonrpc": "2.0", "id": 53, "result": { "baseFeePerGas": "0x7", "gasLimit": "0xcf08", "priorityFeePerGas": "0x43a82a4" } }
```

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