

## tf.nn.selu

```
selu(  
    features,  
    name=None  
)
```

Defined in `tensorflow/python/ops/gen_nn_ops.py`.

See the guide: [Neural Network > Activation Functions](#)

Computes scaled exponential linear:  $\text{scale} * \alpha * (\exp(\text{features}) - 1)$

if  $< 0$ ,  $\text{scale} * \text{features}$  otherwise.

See [Self-Normalizing Neural Networks](#)

## Args:

- `features`: A `Tensor`. Must be one of the following types: `half`, `float32`, `float64`.
- `name`: A name for the operation (optional).

## Returns:

A `Tensor`. Has the same type as `features`.

---

Except as otherwise noted, the content of this page is licensed under the [Creative Commons Attribution 3.0 License](#), and code samples are licensed under the [Apache 2.0 License](#). For details, see our [Site Policies](#). Java is a registered trademark of Oracle and/or its affiliates.

Last updated November 2, 2017.

## Stay Connected

[Blog](#)

[GitHub](#)

[Twitter](#)

## Support

[Issue Tracker](#)

[Release Notes](#)

[Stack Overflow](#)

