

# Superoxide Dismutase 1 (SOD1)

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## Overall function

### Prevention of neuronal degeneration

Superoxide dismutases are a group of enzymes that eliminate oxygen free radicals that, although products of normal cell metabolism, have been implicated in neurodegeneration<sup>1</sup>.

## Types

### SOD1

#### Function

a gene that encodes the copper-zinc superoxide dismutase enzyme<sup>1</sup>

#### Mutation

one of 100s of mutations in SOD1 have been linked to hereditary [ALS](#)<sup>1</sup>.

1. O'Sullivan SB, Schmitz TJ, Fulk GD, eds. *Physical Rehabilitation*. 7th ed. F.A. Davis Company; 2019.