

# Superoxide Dismutase 1 (SOD1)

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## Table of contents

<b>1 Overall function</b>	<b>1</b>
1.1 Prevention of neuronal degeneration . . . . .	1
<b>2 Types</b>	<b>1</b>
2.1 SOD1 . . . . .	1
2.1.1 Function . . . . .	1
2.1.2 Mutation . . . . .	2

## 1 Overall function

### 1.1 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>.

## 2 Types

### 2.1 SOD1

#### 2.1.1 Function

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

### 2.1.2 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.