

## Active Native Bovine SOD

**Cat. No.** SOD1-101B    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                           |
|-------------------------|-------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | SOD1 was purified from Bovine blood.                                                      |
| <b>Species</b>          | Bovine                                                                                    |
| <b>Form</b>             | Lyophilized powder                                                                        |
| <b>Bio-activity</b>     | 4,316 U/mg                                                                                |
| <b>Purity</b>           | 0.93                                                                                      |
| <b>Storage</b>          | Can be stored at 4°C for two years. Should not be stored at >10°C for more than one week. |

### GENE INFORMATION

|                        |                                                                     |
|------------------------|---------------------------------------------------------------------|
| <b>Gene Name</b>       | <a href="#">SOD1 superoxide dismutase 1, soluble [ Bos taurus ]</a> |
| <b>Official Symbol</b> | SOD1                                                                |
| <b>Synonyms</b>        | SOD1L1; superoxide dismutase [Cu-Zn]; Cu-Zn superoxide dismutase    |
| <b>Gene ID</b>         | <a href="#">281495</a>                                              |
| <b>mRNA Refseq</b>     | <a href="#">NM_174615</a>                                           |

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|                            |                                                                                                                                                                                                    |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Protein Refseq</b>      | NP_777040                                                                                                                                                                                          |
| <b>UniProt ID</b>          | P00442                                                                                                                                                                                             |
| <b>Chromosome Location</b> | 1q12-q14                                                                                                                                                                                           |
| <b>Pathway</b>             | Amyotrophic lateral sclerosis (ALS), organism-specific biosystem; Amyotrophic lateral sclerosis (ALS), conserved biosystem; Detoxification of Reactive Oxygen Species, organism-specific biosystem |
| <b>Function</b>            | chaperone binding; copper ion binding; protein binding                                                                                                                                             |

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