



Miami Valley Biotech

Superoxide dismutase (MnSOD)

Cat. #SD01

Source: *Escherichia coli*

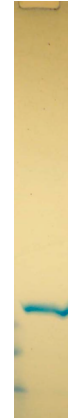
Type: Manganese-containing

MW 46,042 (holo dimer)

^aSpecific activity: ≥ 2500 U SOD/mg protein

Purity: estimated at $\geq 98\%$, A_{280}/A_{473} ratio of ≤ 180

Supplied as salt-free lyophilisate



SDS-PAGE

^a specific activity determined by McCord-Fridovich cytochrome *c* assay method (1) based on protein dry-weight.

Special notes: Store lyophilisate dry at ≤ -20 °C. Resuspend in buffer and store frozen. Freeze-thaw cycles denature protein by $<1\%$. Insoluble protein can be removed by centrifugation. Free of nitric-oxide dioxygenase activity; non-binding with nitric-oxide, superb for use in assays and methods involving nitric-oxide.

For in vitro use only not for use in humans.

References

1. McCord, J. M., and Fridovich, I. (1969) *J. Biol. Chem.* **244**, 6049-6055

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