Recombinant Human SOD1

Cat No:HR2R1959

For research use only

Overview

Quantity	100 ?g
Gene Symbol	SOD1
Gene ID	6647
Accession	P00441
Alternative Name	Superoxide dismutase [Cu-Zn], EC=1.15.1.1, Superoxide dismutase 1, hSod1 Recombinant Human Superoxide Dismutase (SOD1)
Species	Human
Source	E. coli
Description	Superoxide Dismutase has been isolated from media conditioned by a murine marrow-derived cell line (PB6) and from the conditioned medium of cultured mouse marrow cells. It antagonizes IL-3 dependent proliferation of cells in culture and reversibly inhibits DNA synthesis of erythroid progenitor cells.
Functions	The activity was measured by Pyrogallic Acid method and was found to be not less than 1.0 x 10^4 IU/mg.
Formulation	SOD was lyophilized from a 0.2 ?m filtered PBS solution pH 7.0.
Solubility	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Appearance	Lyophilized Powder
Molecular Weight	17
Purity	>95% as determined by SDS-PAGE
Concentration	<1.0 EU/?g of recombinant protein as determined by the LAL method.
Shipping Condition	Ambient Temperature
Storage Condition	The lyophilized protein is stable for at least one year from date of receipt at -70?C. Upon reconstitution, this cytokine can be stored in working aliquots at 2? - 8?C for one month, or at -20?C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.