

## Recombinant Human SOD1 Protein

Catalog #	Source	Reactivity	Applications
CRP2326	E. coli	Human	E, WB, SDS-PAGE, MS
<b>Description</b>	Recombinant Human SOD1 Protein is produced by our E. coli expression system and the target gene encoding Met1-Gln154 is expressed with a 6His tag at the N-terminus.		
<b>Form</b>	Liquid in a 0.2 μM filtered solution of 20mM PB, 150mM NaCl, pH 7.2.		
<b>Gene Symbol</b>	SOD1		
<b>Alternative Names</b>	Superoxide dismutase [Cu-Zn]; Superoxide dismutase 1; hSod1		
<b>Entrez Gene</b>	6647 (Human)		
<b>SwissProt</b>	P00441 (Human)		
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE.		
<b>Chemical Structure</b>	MGSSHHHHHH SSGLVPRGSH MATKAVCVLK GDGPVQGIIN FEQKESNGPV KVGWSIKGLT EGLHGFHVHE FGDNTAGCTS AGPHFNPLSR KHGGPKDEER HVGDLGNVTA DKDGVADVSI EDSVISLSGD HCIIGRTLTVV HEKADDLGKG GNEESTKTGN AGSRLACGVI GIAQ		
<b>Quality Control</b>	Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.		
<b>Directions for Use</b>	Always centrifuge tubes before opening. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.		
<b>Storage/Stability</b>	Store it at -20°C to -80°C for one year.		

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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**WEB**  
www.cohesionbio.com

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order@cohesionbio.com

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