

Recombinant Human SOD2 Protein

Catalog #	Source	Reactivity	Applications
CRP2327	E. coli	H	E, WB, SDS-PAGE, MS
Description	Recombinant Human SOD2 Protein is produced by E.coli expression system and the target gene encoding Lys25-Lys222 is expressed with a 6His tag at the N-terminus.		
Form	Liquid in a 0.2 µM filtered solution of 20mM Tris, 100mMNaCl, 50% Glycerol, pH 8.0.		
Gene Symbol	SOD2		
Alternative Names	Superoxide dismutase [Mn], mitochondrial		
Entrez Gene	6648 (Human)		
SwissProt	P04179 (Human)		
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.		
Chemical Structure	MGSSHHHHHH SSGLVPRGSH MLSRAVCGTS RQLAPVLGYL GSRQKHSLPD LPYDYGALPE HINAQIMQLH HSKHHAAYVN NLNVTEEKYQ EALAKGDVTA QIALQPALKF NGGGHINHSI FWTNLSPNGG GEPKGELLEA IKRDFGSFDK FKEKLTAASV GVQGSWGWL GFNKERGHLO IAACPNQDPL QGTTGLIPLL GIDVWEHAYY LQYKNVRPDY LKAIWNVINW ENVTERYMAC KK		
Quality Control	Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.		
Directions for Use	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.		
Storage/Stability	Store it at -20°C to -80°C for one year. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.		

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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