

## Superoxide Dismutase-2 Mouse Recombinant

<b>Item Number</b>	rAP-4865
<b>Synonyms</b>	Superoxide dismutase [Mn], Superoxide Dismutase-2, mitochondrial, Sod-2.
<b>Description</b>	SOD2 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 221 amino acids (25-222 a.a) and having a molecular mass of 24.6kDa.SOD2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
<b>Uniprot Accesion Number</b>	P09671
<b>Amino Acid Sequence</b>	MGSSHHHHHH SSGLVPRGSH MGSKHSLPDL PYDYGALEPH INAQIMQLHH SKHHAAYVNN LNATEEK- YHE ALAKGDVTTQ VALQPALKFN GGGHINHTIF WTNLSPKGGG EPKGELLEAI KRDFGSFEKF KEKL- TAVSVG VQGSWGWL G FNKEQGRLQI AACSNQDPLQ GTTGLIPLL G IDVWEHAYYL QYKNVRPDYL KAIWNVINWE NVTERYTACK K
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered clear solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
<b>Formulation and Purity</b>	SOD2 protein solution (1mg/ml) containing Phosphate buffered saline (pH7.4), 10% glycerol and 1mM DTT. Greater than 95.0% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**