

Superoxide dismutase [Cu-Zn] Recombinant Protein | Sod1 recombinant protein

Recombinant Mouse Superoxide dismutase [Cu-Zn]

CATALOG # AAA113865	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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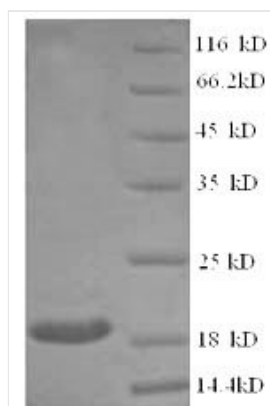
PRODUCT SYNONYMS

Superoxide dismutase [Cu-Zn]; Recombinant Mouse Superoxide dismutase [Cu-Zn]; Sod1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	2-154aa; Full Length
Sequence	AMKAVCVLKG DGPVQGTIHF EQKASGEPVV LSGQITGLTE GQHGFHVHQY GDNTQGCTSA GPHFNPHSKK HGGPADEERH VGD LGNVTAG KDG VANVSIE DRVISLSGEH SIIGRTMVVH EKQDDLKGGG NEESTKTGNA GSRLACGVIG IAQ
Sequence Length	154
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for Sod1 recombinant protein	Destroys radicals which are normally produced within the cells and which are toxic to biological systems.
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References	cDNA and deduced amino acid sequence of murine Cu-Zn superoxide dismutase. Bewley G.C. Nucleic Acids Res. 16:2728-2728(1988) Isolation and analysis of the mouse genomic sequence encoding Cu(2+) -Zn2+ superoxide dismutase. Benedetto M.T., Anzai Y., Gordon J.W. Gene 99:191-195(1991) Purification of an inhibitor of erythroid progenitor cell cycling and antagonist to interleukin 3 from mouse marrow cell supernatants and its identification as cytosolic superoxide dismutase. Pluthero F.G., Shreeve M., Eskinazi D., van der Gaag H., Huang K.S., Hulmes J.D., Blum M., Axelrad A.A.J. Cell Biol. 111:1217-1223(1990) Lubec G., Klug S., Sunyer B., Chen W.-Q. Submitted (JAN-2009) to UniProtKB Knockout of SOD1 promotes conversion of selenocysteine to dehydroalanine in murine hepatic GPX1 protein. Wang S.K., Weaver J.D., Zhang S., Lei X.G. Free Radic. Biol. Med. 51:197-204(2011) SIRT5-mediated lysine desuccinylation impacts diverse metabolic pathways. Park J., Chen Y., Tishkoff D.X., Peng C., Tan M., Dai L., Xie Z., Zhang Y., Zwaans B.M., Skinner M.E., Lombard D.B., Zhao Y. Mol. Cell 50:919-930(2013) Label-free quantitative proteomics of the lysine acetylome in mitochondria identifies substrates of SIRT3 in metabolic pathways. Rardin M.J., Newman J.C., Held J.M., Cusack M.P., Sorensen D.J., Li B., Schilling B., Mooney S.D., Kahn C.R., Verdin E., Gibson B.W. Proc. Natl. Acad. Sci. U.S.A. 110:6601-6606(2013) Structures of mouse SOD1 and human/mouse SOD1 chimeras. Seetharaman S.V., Taylor A.B., Holloway S., Hart P.J. Arch. Biochem. Biophys. 503:183-190(2010)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	45597447
NCBI GeneID	20655
NCBI Accession #	NP_035564.1
NCBI GenBank Nucleotide #	NM_011434.1
UniProt Accession #	P08228
Molecular Weight	17.8 kDa
NCBI Official Full Name	superoxide dismutase
NCBI Official Synonym Full Names	superoxide dismutase 1, soluble
NCBI Official Symbol	Sod1
NCBI Official Synonym Symbols	Ipo1; SODC; Ipo-1; Sod-1; CuZnSOD; Cu/Zn-SOD; B430204E11Rik
NCBI Protein Information	superoxide dismutase [Cu-Zn]
UniProt Protein Name	Superoxide dismutase [Cu-Zn]
UniProt Gene Name	Sod1
UniProt Entry Name	SODC_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/sod1-recombinant-protein-e-coli/113865>