

Superoxide dismutase [Cu-Zn] (SOD1), Recombinant Protein

Cat RP18486

Size 0.02 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (E-Coli)/ 0.1 mg (Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 0.1

mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)
Species Glycine max (Soybean) (Glycine hispida)

Full Product Name

Recombinant Glycine max Superoxide dismutase [Cu-Zn] (SOD1)

Product Gene Name

SOD1 recombinant protein

Product Synonym Gene Name

SOD1

Purity

Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

Sequence

MVKAVAVLGS SEGVTGTIFF TQEGNGPTTV TGSLAGLKPG LHGFHVHALG DTTNGCLSTG AHFNPNNNEH
GAPEDENRHA GDLGNVNVGD DGTVSFSITD SQIPLTGPNS IIGRAVVVHA DSDDLKGGH ELSKTTGNAG
GRVACGIIGL QG

Sequence Positions

1-152, Full length protein

Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

Host

E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight

15,194 Da

Storage

Store at -20°C. For long-term storage, store at -20°C or -80°C. Store working aliquots at 4°C for up to one week. Repeated freezing and thawing is not recommended.

Protein Family

Superoxide dismutase

NCBI Accession

NP_001235298.1

NCBI GI

351725359

NCBI GenBank Nucleotide

NM_001248369.1

NCBI GeneID

100499991

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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NCBI Official Full Name

superoxide dismutase

NCBI Official Symbol

SOD1

NCBI Protein Information

superoxide dismutase [Cu-Zn]

UniProt Gene Name

SOD1

UniProt Protein Name

Superoxide dismutase [Cu-Zn]

UniProt Primary Accession

Q7M1R5

UniProt Related Accession

Q7M1R5

UniProt Comments

Destroys radicals which are normally produced within the cells and which are toxic to biological systems.

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