

Superoxide dismutase [Fe], chloroplastic (SODB), Recombinant Protein

Cat RP18509

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)
Glycine max (Soybean) (Glycine hispida)

Full Product Name

Recombinant Glycine max Superoxide dismutase [Fe], chloroplastic (SODB)

Product Gene Name

SODB recombinant protein

Purity

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

Sequence

AKFELKPPPY PLNGLEPVMS QQTLEFHWGK HHKTYVENLK KQVVGTELDG KSLEEIIIVTS YNKGDI LPAF
NNAAQVWNHD FFWECKMPGG GKGPSGELLE LIERDFGSFV KFLDEFKAAA ATQFGSGWAW LAYRARKFDG
ENVANPPSPD EDNKLVLKS PNAVNPLVWG GYYPLLTIDV WEHAYYLD FQ NRRPDYISVF MDKLVSWDAV
SSRLEQAKAL ITSA

Sequence Positions

25-248, 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

27,842 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_001238486.1

NCBI GI

351721352

NCBI GenBank Nucleotide

NM_001251557.1

NCBI GeneID

547823

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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NCBI Official Full Name
superoxide dismutase

NCBI Official Symbol

SODB

NCBI Protein Information

superoxide dismutase [Fe], chloroplastic

UniProt Gene Name

SODB

UniProt Protein Name

Superoxide dismutase [Fe], chloroplastic

UniProt Primary Accession

P28759

UniProt Related Accession

P28759

UniProt Comments

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

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