

Catalase-3 (CAT3), Recombinant Protein

Cat RP18483

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 Catalase-3 (CAT3)

Product Gene Name

CAT3 recombinant protein

Purity

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

Sequence

MDPYKNRPSS AFNSPFWTTN SGAPIWNNNS SLTVGSRGPI LLEDYHLVEK LANFDRERIP ERVVHARGAS
AKGFFEVTHTD ISHLTCADFL RAPGVQTPLI VRFSTVIHER GSPETLRDPR GFAVKFYTRE GNFDLVGNNF
PVFFVRDGLK FPDVMVHALKP NPKSHIQENW RILDFFSHHP ESLHMFSLF DDVGIPQDYR HMDGFGVNTY
TLINKAGKAV YVKFHWKTTT GEKCLLDDEA IRVGGSNHS ATQDLYDSIA AGNYPEWKLY IQTLDPENED
RLDFDPLDVT KTWPEVDLPL QPVGRMVLNK NIDNFFAENE QLAFCPAIV PGVYYSDDKL LQTRIFSYAD
TQRHRLGPNY LQLPANSPKC AHHNNHHDGF MNFMHRDEEV NYFPSRYDPV RHAERPVPVP RTLGGKREKC
MIEKENNFKQ PGERYRSWPS DRQERFVRRW VDALS DPRVT HEIRSIWISY WSQADRSLGQ KIASHLNLKP SI

Sequence Positions

1-492, 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

56,911 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

Catalase

NCBI Accession

NP_001235974.1

NCBI GI

351734412

NCBI GenBank Nucleotide

NM_001249045.1

NCBI GeneID

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Catalase-3 (CAT3), Recombinant Protein

Cat *RP18483*

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

100037447 mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg

(Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)

NCBI Official Full Name

catalase-3

NCBI Official Symbol

CAT3

NCBI Protein Information

catalase-3

UniProt Gene Name

CAT3

UniProt Protein Name

Catalase-3

UniProt Primary Accession

O48560

UniProt Related Accession

O48560

UniProt Comments

Occurs in almost all aerobically respiring organisms and serves to protect cells from the toxic effects of hydrogen peroxide.

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY