

Catalase-1/2 (CAT1), Recombinant Protein

Cat RP18485

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-1/2 (CAT1)

Product Gene Name

CAT1 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
TLINKAGKAL YVKFHWKTTT GEKSLLDDEA IRVGGSNHSH ATQDLYDSIA AGNYPEWKLY IQTLDPENED
RLDFDPLDVT KTWPEVDLPL QPVGRMVLNK NIDNFFAENE QLAFCPAIV PGVYYSDDKL LQTRVFSYAD
TQRHRLGPNY LQLPANAPKC AHHNNHHDGF MNFMHRDEEV NYFPSRYDPV RHAEKVPVPP RILGGKREKC
MIEKENNFQKQ 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

56,847 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_001237556.1

NCBI GI

351724053

NCBI GenBank Nucleotide

NM_001250627.1

NCBI GeneID

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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547510 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-1/2

NCBI Official Symbol

CAT1

NCBI Official Synonym Symbols

cat2

NCBI Protein Information

catalase-1/2

UniProt Gene Name

CAT1

UniProt Protein Name

Catalase-1/2

UniProt Primary Accession

P29756

UniProt Related Accession

P29756

UniProt Comments

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

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