



Recombinant Escherichia coli Catalase-peroxidase (katG)

Product Code	CSB-YP534327ENP
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	B1IVD5
Product Type	Recombinant Protein
Immunogen Species	Escherichia coli (strain ATCC 8739 / DSM 1576 / Crooks)
Purity	>85% (SDS-PAGE)
Sequence	MSTSDDIHNT TATGKCPFHQ GGHDQSAGAG TTTRDWWPNQ LRVDLLNQHS NRSNPLGEDF DYRKEFSKLD YYGLKKDLKA LLTESQPWWP ADWGSYAGLF IRMAWHGAGT YRSIDGRGGA GRGQQRFAPL NSWPDNVSLD KARRLLWPIK QKYGQKISWA DLFILAGNVA LENS GFRTFG FGAGREDVWE PDLVDNWGDE KAWLTHRHE ALAKAPLGAT EMGLIYVNPE GPDHSGEPLS AAAAIRATFG NMGMNDEETV ALIAGGHTLG KTHGAGPTSN VGPDPEAAPI EEQGLGWAST YGSGVGADAI TSGLEVWWTQ TPTQWSNYFF ENLFKYEWVQ TRSPAGAIQF EAVDAPEIIP DPFDPSSKKRK PTMLVTDLTL RFDPEFEKIS RRFLNDPQAF NEAFARAWFK LTHRDMGPKS RYIGPEVPKE DLIWQDPLPQ PIYNPTEQDI IDLKFAIADS GLSVSELVSV AWASASTFRG GDKRGGANGA RLALMPQRDW DVNAAAVRAL PVLEKIQKES GKASLADIIV LAGVVGVEKA ASAAGLSIHV PFAPGRVDAR QDQTDIEMFE LLEPIADGFR NYRARLDVST TESLLIDKAQ QLTLTAPEMT ALVGGMRVLG ANFDGSKNGV FTDRVGVLSN DFFVNLDMR YEWKATDESK ELFEGRDRET GEVKFTASRA DLVFGSNSVL RAVAEVYASS DAHEKFKVDF VAAWVKVMNL DRFDLL
Source	Yeast
Target Names	katG
Protein Names	Recommended name: Catalase-peroxidase Short name= CP EC= 1.11.1.21 Alternative name(s): Peroxidase/catalase
Expression Region	1-726
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final



concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.