



Recombinant Escherichia coli Catalase-peroxidase (katG)

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|--------------------------|---|
| Product Code | CSB-YP638306EGW |
| Abbreviation | katG |
| 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. | Q1R3X0 |
| Product Type | Recombinant Protein |
| Immunogen Species | Escherichia coli (strain UTI89 / UPEC) |
| Purity | >85% (SDS-PAGE) |
| Sequence | MSTSDDIHNT TATGKCPFHQ GGHDQSAGGG TTTRDWWPNQ LRVDLLNQHS NRSNPLGEDF DYRKEFSKLD YYGLKKDLKA LLTESQPWWP ADWGSYAGLF IRMAWHGAGT YRSIDGRGGA GRGQQRFAPL NSWPDNVSLD KARRLLWPIK QKYGQKISWA DLFILAGNVA LESSGFRTFG FGAGREDVWE PDLVDNWGDE KAWLTHRHP E ALAKAPLGAT EMGLIYVNPE GPDHSGEPLS AAAAIRATFG NMGMNDEETV ALIAGGHTLG KTHGAGPTSN VGPDPEAAPI EEQGLGWAST YGSGVGADAI TSGLEVVWTQ 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 DFFVNLLDMR YEWKATDESK ELFEGRDRET GEVKYASRA 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

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