

Catalase (Recombinant)

Catalogue No.: abx073353

Catalase (Recombinant) is a key antioxidant enzyme in the body's defense against oxidative stress. Furthermore, Catalase is a heme enzyme which is present in the peroxisome of virtually all aerobic cells. Catalase converts the reactive oxygen species hydrogen peroxide to water and oxygen and thus diminishes the toxic effects of hydrogen peroxide.

Target: CAT**Host:** E. coli**Purity:** > 90% (SDS-PAGE)**Purification:** Purified by proprietary chromatographic techniques.**Form:** Liquid**Storage:** Store at 4 °C if the entire vial will be used within 4 weeks. Store at -20 °C for long term storage. For long term storage, it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid repeated freeze/thaw cycles.**Molecular Weight:** 61.9 kDa**Swiss Prot:** [P04040](#)**Sequence:** MGSSHHHHH SSGLVPRGSH MADSRDPASD QMQHWKEQRA AQKADVLTTG AGNPVGDKLN
VITVGRGPL LVQDVVFTDE MAHFDRERIP ERVVHAKGAG AFGYFEVTHD ITKYSKAKVF
EHIGKKTPIA VRFSTVAGES GSADTVRDPR GFAVKFYTED GNWDLVGNNT PIFFIRDPII FPSFIHSQKR
NPQTHLKDPD MVWDFWSLRP ESLHQVSFLF SDRGIPDGHR HMNGYGSHTF KLVNANGEAV
YCKFHYKTDQ GIKNLSVEDA ARLSQEDPDY GIRDLFNAIA TGKYPSTWTFY IQVMFTFNQAE
TFPFNPFDLT KVWPHKDYPL IPVGKLVNLR NPVNYFAEVE QIAFDPSNMP PGIEASPDKM
LQGRLFAYPD THRHRLGPNY LHIPVNCPYR ARVANYQRDG PMCMQDNQGG APNYYPNSFG
APEQQPSALE HSIQYSGEVR RFNTANDDNV TQVRAFVYVNV LNEEQRKRLC ENIAGHLKDA
QIFIQKKA VK NFTEVHPDYG SHIQALLDKY NAEKPKNAIH TQVQSGSHLA AREKANL.**Tag:** 20 amino acid His-tag at the N-terminus**Concentration:** 1 mg/ml**Buffer:** 20 mM Tris-HCl (pH 8.0), 0.15 M NaCl and 10% glycerol.**Note:** This product is for research use only.