

Human CAT Recombinant Protein



RPPB1474

Product Information Protein Information

Product SKU:

RPPB1474

Accession:

P04040

Host:

Escherichia Coli.

Protein description:

CAT Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 547 amino acids (1-527) and having a molecular mass of 61.9kDa. CAT is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Appearance:

Sterile filtered yellowish solution.

Synonyms:

Catalase, CAT.

Formulation:

The CAT solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl and 10% glycerol.

Purity:

Greater than 90.0% as determined by SDS-PAGE.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Amino Acid Sequence:

MGSSHHHHHH SSGLVPRGSH MADSRDPASD QMQHWKEQRA AQKADVLTTG AGNPVGDKLN
VITVGPRGPL LVQDVVFTDE MAHFDRERIP ERVVHAKGAG AFGYFEVTHD ITKYSKAKVF EHIGKKTPIA
VRFSTVAGES GSADTVRDPD GFAVKFYTED GNWDLVGNNT PIFFIRDPII FPSFIHSQKR NPQTHLKDPD
MWWDFWSLRP ESLHQVSFLF SDRGIPDTHR HMNGYGSHTF KLVNANGEAV YCKFHYKTDQ GIKNLSVEDA
ARLSQEDPDY GIRDLFNAIA TGKYPSWTFY IQVMTFNQAE TFPFNPFDLT KVVPHKDYPL IPVGKLVLNR
NPVNYFAEVE QIAFDPSNMP PGIEASPKM LQGRFLFAYPD THRHRLGPNY LHIPVNCYPYR ARVANYQRDG
PMCMQDNQGG APNYPNSFG APEQQPSALE HSIQYSGEVR RFNTANDDNV TQVRAFVYVNV LNEEQKRKRLC
ENIAGHLKDA QIFIQKKAVK NFTEVHPDYG SHIQALLDKY NAEKPKNAIH TFVQSGSHLA AREKANL

Biological Activity:

Specific activity is >30,000 unit/mg.