RPC418Hu05 100µg
Recombinant Catalase (CAT)
Organism Species: Homo sapiens (Human)

Instruction manual

FOR RESEARCH USE ONLY
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)
[ PROPERTIES ]

Source: Prokaryotic expression
Host: E.coli
Residues: Asp10~Asn507
Tags: N-terminal His Tag
Subcellular Location: n/a
Purity: > 90%
Traits: Freeze-dried powder
Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Original Concentration: 200µg/mL
Applications: Positive Control; Immunogen; SDS-PAGE; WB.
(May be suitable for use in other assays to be determined by the end user.)
Predicted isoelectric point: 6.9
Predicted Molecular Mass: 60.4kDa
Accurate Molecular Mass: 60kDa as determined by SDS-PAGE reducing conditions.

[ USAGE ]

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

[ STORAGE AND STABILITY ]

Storage: Avoid repeated freeze/thaw cycles.

   Store at 2-8°C for one month.
   Aliquot and store at -80°C for 12 months.

Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
[SEQUENCE]

DQMQHHKWEQRA AQKADVLTTG AGNPVGDKLN VITVGPRGPL
LVQDVVFTE DE MAHFDRERIIP ERVWHAKGAG AFGYFEVTHD ITKYSKAKVF
EHIGKKTPIA VRFSTVAGES GSADTVRDPR GFAVKFYTED GNWDLVGNNT
PIFFIRDPIF FPSFIHISQKR NPQTHLKDPD MWDFWSLRP ESHQVSFLF
SRGIPDGHHR HMNQYGSHTF KLVMANGAEV YCKFHYKDQ GIKNLVESDA
ARLSQEDPDY GIRDLFNAIA TGKYPSWTFY IQVMTFNQAE TPFNPFDLT
KVWPQKDYPL IPVGLVLNR NPVNYFAEVE QIAFDPNMP PGIEASPDKM
LQGRLFAYPD THRHRLGPNY LHIPVNCPRY ARVANYQRDG PMCMQDNQGG
APNYYPNSFG APEQQPSALE HSIQYSGEVR RFNTANDDNV TQVRAFYVNV
LNEEQRKRLC ENIAGHLKDA QIFIQKAVK NFTEVHPDYG SHIQALLDKY
NAEKPKN

[IDENTIFICATION]

Figure. SDS-PAGE

[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.