

Recombinant Catalase (CAT)

Instruction Manual

SIPC303Hu05

Homo sapiens (Human)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Secreted
Predicted Molecular Mass	60.4kDa
Accurate Molecular Mass	60kDa(Analysis of differences refer to the manual)
Residues & Tags	Asp10~Asn507 with N-terminal His Tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose.
Traits	Freeze-dried powder
Purity	> 90%
Isoelectric Point	6.9
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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D QMQHWKEQRA A QKADVLT TG AGNPVGD KLN VITVGPRGPL
LVQDVVFTDE MAHFD RERIP ERVVHAKGAG AFGYFEVTHD ITKYSKAKVF
EHIGKKTPIA VRFSTVAGES GSADTVRDPR GFAVKFYTED GNWDLVGNNT
PIFFIRDPI L FPSFIHSQKR NPQTHLKDPD MWDFWSLRP ESLHQVSFLF
SDRGIPDGHR HMNGYGSHTF KLVNANGEAV YCKFHYKTDQ GIKNLSVEDA
ARLSQEDPDY GIRDLFNAIA TGKYP SWTFY IQVMTFNQAE TFPFNPFDLT
KVWPHKDYPL IPVGKLV LNR NPVNYFAEVE QIAFDPSNMP PGIEASPKM
LQGR LFAYPD THRHRLGPNY LHIPVNC PYR ARVANYQRDG PMCMQDNQGG
APNYYPNSFG APEQQPSALE HSIQYSGEVR RFNTANDDNV TQVRAFVYVNV
LNEEQRKRLC ENIAGHLKDA QIFIQKKAVK NFTEVHPDYG SHIQALLDKY
NAEKPKN
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USAGE

Reconstitute in ddH₂O to a concentration of 0.1-0.4 mg/mL. Do not vortex.

STORAGE

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

STABILITY

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.

Image

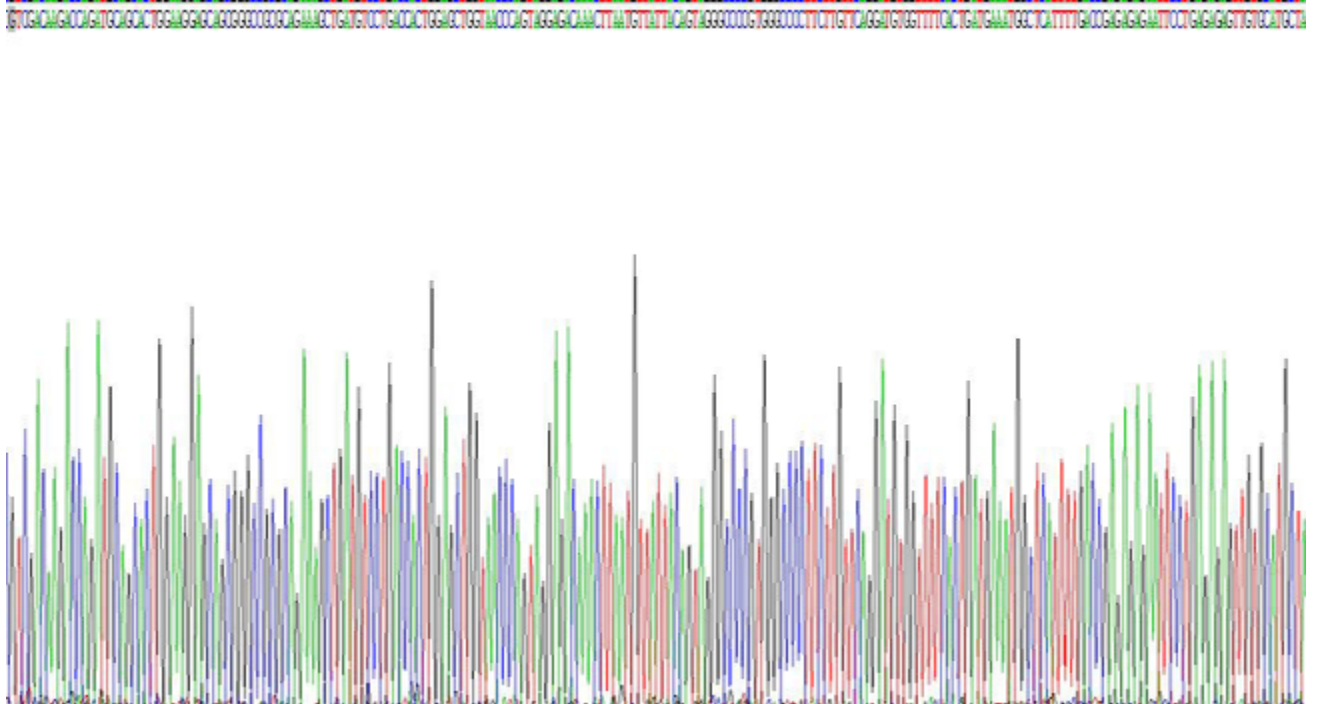


Figure. SDS-PAGE

[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.

