Recombinant Catalase (CAT) Instruction Manual

SIPC303Mu03

Mus musculus (Mouse)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1μg (determined by the LAL method)
Subcellular Location	Secreted
Predicted Molecular Mass	63.4kDa
Accurate Molecular Mass	42&63kDa(Analysis of differences refer to the manual)
Residues & Tags	Ser2~Leu527 with N-terminal His Tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Traits	Freeze-dried powder
Purity	> 90%
Isoelectric Point	8.0
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

SDSRDPASD QMKQWKEQRA SQRPDVLTTG GGNPIGDKLN IMTAGSRGPL
LVQDVVFTDE MAHFDRERIP ERVVHAKGAG AFGYFEVTHD ITRYSKAKVF
EHIGKRTPIA VRFSTVTGES GSADTVRDPR GFAVKFYTED GNWDLVGNNT
PIFFIRDAIL FPSFIHSQKR NPQTHLKDPD MVWDFWSLRP ESLHQVSFLF
SDRGIPDGHR HMNGYGSHTF KLVNADGEAV YCKFHYKTDQ GIKNLPVGEA
GRLAQEDPDY GLRDLFNAIA NGNYPSWTFY IQVMTFKEAE TFPFNPFDLT
KVWPHKDYPL IPVGKLVLNK NPVNYFAEVE QMAFDPSNMP PGIEPSPDKM
LQGRLFAYPD THRHRLGPNY LQIPVNCPYR ARVANYQRDG PMCMHDNQGG
APNYYPNSFS APEQQRSALE HSVQCAVDVK RFNSANEDNV TQVRTFYTKV
LNEEERKRLC ENIAGHLKDA QLFIQKKAVK NFTDVHPDYG ARIQALLDKY
NAEKPKNAIH TYTQAGSHMA AKGKANL

USAGE

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 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

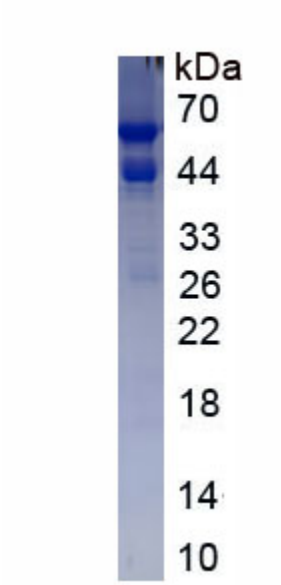

Figure. SDS-PAGE

[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.