

Recombinant Cytochrome P450 27A1 (CYP27A1) Instruction Manual

SIPD589Hu01

Homo sapiens (Human)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Mitochondrion
Predicted Molecular Mass	87kDa
Accurate Molecular Mass	87kDa(Analysis of differences refer to the manual)
Residues & Tags	Ala34~Cys531 with N-terminal His and GST 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	8.4
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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ALPSDKA TGAPGAGPGV
RRRQRSLEEI PRLGQLRFFF QLFVQGYALQ LHQLQVLYKA KYGPMWMSYL
GPQMHVNLAS APLLEQVMRQ EGKYPVRNDM ELWKEHRDQH DLTYGPFTTE
GHHWYQLRQA LNQRLLKPAE AALYTDAFNE VIDDFMTRLD QLRAESASGN
QVSDMAQLFY YFALEAICYI LFEKRIGCLQ RSIPEDTVTF VRSIGLMFQN
SLYATFLPKW TRPVLFPWKR YLDGWNAIFS FGKKLIDEKL EDMEAQLQAA
GPDGIQVSGY LHFLASGQL SPREAMGSLP ELLMAGVDTT SNTLTWALYH
LSKDPEIQEA LHEEVVGVVP AGQVPQHKDF AHMPLLKAVL KETLRLYPVV
PTNSRIIEKE IEVDGFLFPK NTQFVFCHYV VSRDPTAFSE PESFQPHRWL
RNSQPATPRI QHPFGSVPFG YGVRACLGRR IAELEMQLLL ARLIQKYKVV
LAPETGELKS VARIVLVPNK KVGLQFLQRQ C
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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.

