

RPD538Hu01 200µg

Recombinant Cytochrome P450 27A1 (CYP27A1)

Organism Species: *Homo sapiens (Human)*

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[PROPERTIES]

Source: Prokaryotic expression

Host: *E.coli*

Residues: Ala34~Cys531

Tags: N-terminal His and GST Tag

Subcellular Location: Mitochondrion

Purity: > 80%

Traits: Freeze-dried powder

Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 0.01% skl, 5%Trehalose.

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: 8.4

Predicted Molecular Mass: 87kDa

Accurate Molecular Mass: 87&35kDa 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]

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

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[IDENTIFICATION]

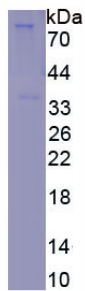


Figure. SDS-PAGE

[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.