# 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**

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

#### **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**

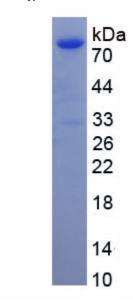


Figure. SDS-PAGE

# [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.