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YBD312Hu01 100 $\mu$ g

Recombinant Cytochrome P450 Reductase (CPR)

Organism Species: Homo sapiens (Human)

*Instruction manual*

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

10th Edition (Revised in Jan, 2014)

## [ PROPERTIES ]

Residues: Gly77~Phe518

Tags: Two N-terminal Tags, His-tag and T7-tag

Accession: P16435

Host: *E. coli*

Subcellular Location: Endoplasmic reticulum membrane;

Peripheral membrane protein.

Purity: >95%

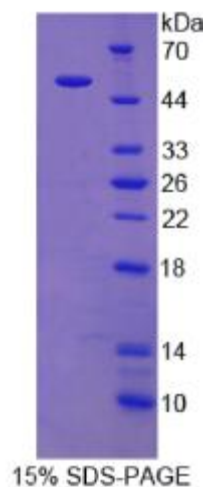
Endotoxin Level: <1.0EU per 1 $\mu$ g (determined by the LAL method).

Formulation: Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.

Predicted isoelectric point: 5.0

Predicted Molecular Mass:

53.4kDa





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Applications: SDS-PAGE; WB; ELISA; IP.

(May be suitable for use in other assays to be determined by the end user.)

## [ USAGE ]

Reconstitute in sterile ddH<sub>2</sub>O.

## [ 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 of the target protein. 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. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

## [ SEQUENCES ]

The sequence of the target protein is listed below.

GRNI IVFYGSQTGT AEEFANRLSK DAHRYGMRGM SADPEEYDLA DLSSLPEIDN  
A LV V F C M A T Y G E G D P T D N A Q D F Y D W L Q E T D V D L S G V K F A V F G L G N K T Y E H  
FNAMGKYVDK RLEQLGAQRI FELGLGDDDG NLEEDFITWR EQFWPAVCEH FGVEATGEES  
SIRQYELVVH TDIDAAKVYM GEMGRKLSYE NQKPPFDAKN PFLAAVTNR KLNQGTERHL  
MHLELDISDS KIRYESGDHV AVYPANDSAL VNQLGKILGA DLDVVMMLNN LDEESNKKHP  
FPCPTSyrTA LTYyLDITNP PRtNVLYELA QYASEPSEQE LLRKMSSSG EGKELYLSWV  
VEARRHILAI LQDCPSLRPP IDHLCELLPR LQARYYSIAS SSKVHPNSVH ICAVVVEYET  
KAGRINKGVA TNWLRakePA GENGGRALVP MFVRKSQF