

**RPD312Hu01 10 $\mu$ g**

**Recombinant Cytochrome P450 Reductase (CPR)**

**Organism Species: *Homo sapiens* (Human)**

***Instruction manual***

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

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13th Edition (Revised in Aug, 2023)

**[ PROPERTIES ]**

**Source:** Prokaryotic expression

**Host:** *E.coli*

**Residues:** Gly77~Phe518

**Tags:** N-terminal His Tag

**Subcellular Location:** Membrane

**Purity:** > 97%

**Traits:** Freeze-dried powder

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

**Original Concentration:** 300µg/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:** 5.0

**Predicted Molecular Mass:** 53.3kDa

**Accurate Molecular Mass:** 53kDa 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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GRNI IVFYGSQTGT AEEFANRLSK
DAHRYGMRGM SADPEEYDLA DLSSLPEIDN ALVVFCMATY GEGDPTDNAQ
DFYDWLQETD VDLSGVKFAV FGLGNKTYEH FNAMEKTVDK RLEQLGAQRI
FELGLGDDD NLEEDFITWR EQFWPAVCEH FGVEATGEES SIRQYELVVH
TDIDAAKVYM GEMGRLKSYE NQKPPFDAKN PFLAAVTNR KLNQGTERHL
MHLELDISDS KIRYESGDHV AVYPANDSAL VNQLGKILGA DLDVVMMLNN
LDEESNKKHP FPCPTSRYTA LTYILDITNP PRTNVLVYELA QYASEPSEQE
LLRKMSSSG EGKELYLSW VEARRHILAI LQDCPSLRPP IDHLCELLPR
LQARYYSIAS SSKVHPNSVH ICAVVVEYET KAGRINKGVA TNWLRAKEPA
GENGGRALVP MFVRSQF

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**[ IDENTIFICATION ]**

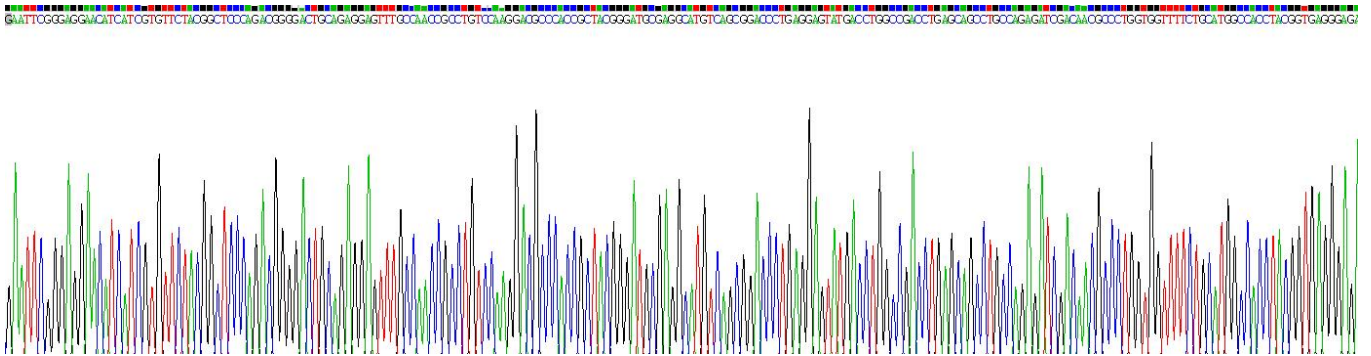
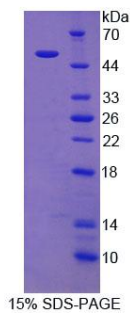


Figure . Gene Sequencing (extract)



**[ 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.