

**RPD295Ra01 10 $\mu$ g**  
**Recombinant Cytochrome P450 1A1 (CYP1A1)**  
**Organism Species: Rattus norvegicus (Rat)**  
***Instruction manual***

FOR IN VITRO USE AND RESEARCH USE ONLY  
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

---

---

12th Edition (Revised in Aug, 2016)

## [ **PROPERTIES** ]

**Source:** Prokaryotic expression.

**Host:** *E. coli*

**Residues:** Ser251~His521

**Tags:** Two N-terminal Tags, His-tag and GST-tag

**Tissue Specificity:** Liver.

**Subcellular Location:** Endoplasmic reticulum membrane. Mitochondrion membrane. Microsome membrane.

**Purity:** >95%

**Traits:** Freeze-dried powder

**Buffer formulation:** 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.

**Original Concentration:** 200ug/mL

**Applications:** SDS-PAGE; WB; ELISA; IP; CoIP; Purification; Amine Reactive Labeling.

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

**Predicted isoelectric point:** 6.8

**Predicted Molecular Mass:** 61.5kDa

**Accurate Molecular Mass:** 62kDa 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 ]

```
SLDAFKDLNK KFYSFMKKLI KEHYRTFEKG HIRDITDSLI EHCQDRRLDE  
NANVQLSDDK VITIVFDLFG AGFDTITTAI SWSLMYLVTN PRIQRKIQEE  
LDTVIGRDRQ PRLSDRPQLP YLEAFILETF RHSSFVPFTI PHSTIRDTSL  
NGFYIPKGHC VFDVQWQVNH DQELWGPNE FRPERFLTSS GTLDKHLSEK  
VILFGLGKRK CIGETIGRLE VFLFLAILLQ QMEFNVSPGE KVDMPAYGL  
TLKHARCEHF QVQMRSSGPQ H
```

## [ IDENTIFICATION ]

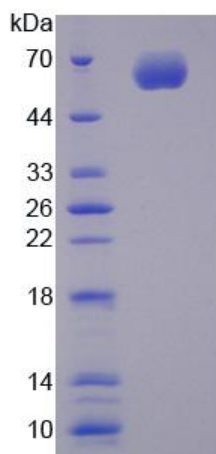


Figure 1. SDS-PAGE