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YBD302Hu01 100 $\mu$ g

Recombinant Cytochrome P450 2D6 (CYP2D6)

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: Leu236~Gln472

Tags: N-terminal His-Tag

Accession: P10635

Host: *E. coli*

Subcellular Location: Endoplasmic reticulum

membrane; Peripheral membrane protein. Microsome  
membrane.

Purity: >95%

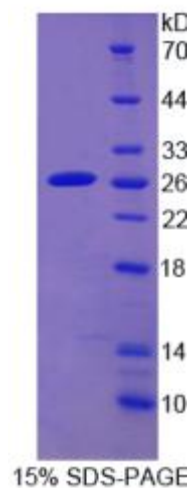
Endotoxin Level: <1.0EU per 1 $\mu$ g (determined by the  
LAL method).

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: 6.0

Predicted Molecular Mass:

28.4kDa





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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 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.

LAGKV LRFQKAFLTQ LDELLTEHRM TWDPAQPPRD LTEAFLAEME KAKGNPESSF  
NDENLRIVVA DLFSAGMVT TSTLAWGLLL MILHPDVQRR VQQEIDDVIG QVRRPEMGDQ  
AHMPYTTAVI HEVQRFGDIV PLGVTHMTR DIEVQGFRIP KGTTLITNLS SVLKDEAVWE  
KPRFRHPEHF LDAQGHFVKP EAFLPFSAGR RACLGEPLAR MELFLFFTSL LQHFSFSVPT  
GQ

## [ REFERENCES ]

1. Gaedigk A., *et al.* (2005) *Pharmacogenomics J.* 5:173-182.
2. Kimura S., *et al.* (1989) *Am. J. Hum. Genet.* 45:889-904.
3. Gonzalez F. J., *et al.* (1988) *Nature* 331:442-446.
4. Gonzalez F. J., *et al.* (1988) *Genomics* 2:174-179.