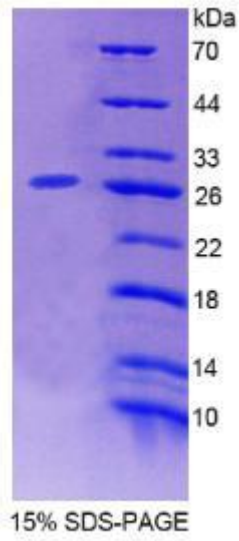
TEL:4006-871-227 Web:www.ybio.net Email:shybio@126.com

**YBA510Mu01 100μg**
**Recombinant Protein Kinase D2 (PKD2)**
**Organism Species: Mus musculus (Mouse)**
***Instruction manual***

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

**9th Edition (Revised in Jul, 2013)**

# [ PROPERTIES ]



15% SDS-PAGE

**Residues: Met327~Gln539 (Accession # Q8BZ03), with two N-terminal Tags, His-tag and T7-tag.**
**Host: *E. coli***
**Subcellular Location: Cytoplasm. Cell membrane . Golgi apparatus, trans-Golgi network.**
**Purity: >95%**
**Endotoxin Level: <1.0EU per 1μg (determined by the LAL method).**
**Formulation: Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.**
**Predicted isoelectric point: 6.1**
**Predicted Molecular Mass: 27.1kDa**
**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 PBS, pH7.2-pH7.4.**

## [ STORAGE AND STABILITY ]

**Storage: Avoid repeated freeze/thaw cycles.**

**Store at 2-8$^{O}$C for one month.**

**Aliquot and store at -80$^{O}$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$^{O}$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 target protein is fused with two N-terminal Tags, His-tag and T7-tag, its sequence is listed below.**

**MGSSHH HHHH SSG LVPRGSH MASMTGG QQM GRGSEF- MEEA AD YSEADKSS ISDELEDSGV IPGSHSESAL HASEEEEGEG HKAQSSLGYI PLMRVVQSVR HTTRKSSTTL REGWVVHYSN KDTLRKRHYW RLDCKCITLF QNNTTNRYYK EIPLSEILAV EPAQNFSLVP PGTNPHCFEI ITANVTYFVG ETPGGAPGGP SGQGTEAVRG WETAIRQALM PVILQDAPSA PGHTPHRQAS LSISVSNSQ**