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YBA867Hu01 50 $\mu$ g

Phospholipase A2, Lipoprotein Associated (LpPLA2)

Organism Species: Homo sapiens (Human)

*Instruction manual*

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

9th Edition (Revised in Jul, 2013)

## [ PROPERTIES ]

Residues: Phe22~Asn441 (Accession # Q13093), with  
N-terminal His-Tag.

Host: *E. coli*

Subcellular Location: Secreted, extracellular  
space.

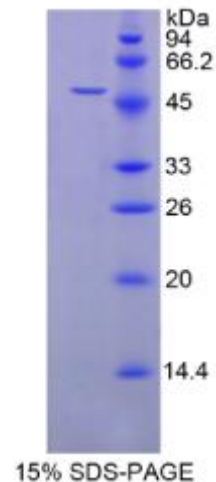
Purity: >95%

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

Formulation: Supplied as lyophilized form in PBS,  
pH7.4, containing 5% sucrose, 0.01% sarcosyl.

Predicted isoelectric point: 7.1

Predicted Molecular Mass: 50.0kDa





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[ USAGE ]

Reconstitute in sterile PBS, pH7.2-pH7.4.



## [ 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 target protein is fused with N-terminal His-Tag, its sequence is listed below.

MGHHHHHSGSEFELRRQ- FDWQYINPV AHMKSSAWVN KIQVLMMAAS FGQTKIPRGN  
GPYSVGCTDL MFDHTNKGTF LRLYPSQDN DRLDTLWIPN KEYFWGLSKF LGTHWLMGNI  
LRLLFSGMTT PANWNSPLRP GEKYPLVVFS HGLGAFRTLY SAIGIDLASH GFIVAAVEHR  
DRSATATYF KDQSAAEIGD KSWLYLRTLK QEEETHIRNE QVRQRAKECS QALSILDID  
HGKPVKNALD LKFDMEQLKD SIDREKIAVI GHSFGGATVI QTLSEDQRFR CGIALDAWMF  
PLGDEVYSRI PQPLFFINSE YFQYPANIIK MKKCYSPDKE RKMITIRGSV HQNFADFTFA  
TGKIIGHMLK LKGDIDSVA IDLSNKASLA FLQKHLGLHK DFDQWDCLIE GDDENLIPGT  
NINTTNQHIM LQNSSGIEKY N

## [ REFERENCES ]

1. Samanta U., *et al.* (2009) *Biochem. Pharmacol.* 78:420-429.
2. Samanta U., Bahnson B. J. (2008) *J. Biol. Chem.* 283:31617-31624.
3. The MGC Project Team. (2004) *Genome Res.* 14:2121-2127.
4. Lu Y., *et al.* (2008) *J. Lipid Res.* 49:2582-2589.