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YBG304Hu01 100μg

Recombinant Phosphoglycerate Kinase 1 (PGK1)

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: Ser2~Ile417

Tags: Two N-terminal Tags, His-tag and T7-tag

Accession: P00558

Host: *E. coli*

Subcellular Location: Cytoplasm.

Purity: >95%

Endotoxin Level: <1.0EU per 1μg (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: 8.3

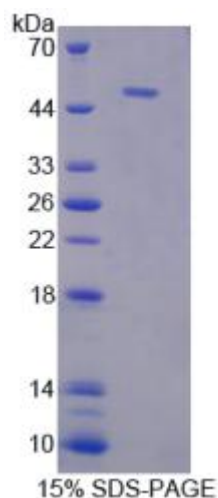
Predicted Molecular Mass: 48.2kDa

Applications: SDS-PAGE; WB; ELISA; IP.

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

[USAGE]

Reconstitute in ddH₂O.





[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.

SLSNKLTD KLDVKGKRVV MRVDFNVPMK NNQITNNQRI KAAVPSIKFC LDNGAKSVVL
MSHLGRPDGV PMPDKYSLEP VAVELKSLLG KDVLFKDCV GPEVEKACAN PAAGSVILLE
NLRFHVEEEG KGKDASGNKV KAEPKIEAF RASLSKLGDV YVNDAFGTAH RAHSSMVGVN
LPQKAGGFLM KKELNYFAKA LESP RPFLA ILGGAKVADK IQLINNMLDK VNEMIIGGGM
AFTFLKVLNN MEIGTSLFDE EGAKIVKDLM SKAEKNGVKI TLPVDFVTAD KFDENAKTGQ
ATVASGIPAG WMGLDCGPES SKKYAEAVTR AKQIVWNGPV GVFEWEAFAR GTKALMDEVV
KATSRGCITI IGGGDTATCC AKWNTEDKVS HVSTGGGASL ELLEGKVLPG VDALSNI

[REFERENCES]

1. Jindal H.K., Vishwanatha J.K. (1990) J. Biol. Chem. 265:6540-6543.
2. Huang I.-Y., *et al.* (1980) J. Biol. Chem. 255:6412-6420.
3. Pfeifer G.P., *et al.* (1989) Science 246:810-813.
4. Singer-Sam J., *et al.* (1984) Gene 32:409-417.