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YB97413Hu01

Phosphohistidine Phosphatase 1 (PHPT1)

Organism: Homo sapiens (Human)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES

3th Edition (Revised in February, 2012)

[DESCRIPTION]

Protein Names: Phosphohistidine Phosphatase 1

Gene Names: PHPT1, PHP14

Size: 100μg

Source: Recombinant

Expression Host: *E.coli*

Function: Exhibits phosphohistidine phosphatase activity.

Subcellular Location: Cytoplasm

Tissue Specificity: Expressed abundantly in heart and skeletal muscle.

[PROPERTIES]

Residues: Met1~Tyr125 (Accession # Q9NRX4), with a N-terminal His-tag.

Grade & Purity: >97%, 15.4 kDa as determined by SDS-PAGE reducing conditions.

Form & Buffer: Supplied as lyophilized form in PBS, pH 7.4.

Endotoxin Level: <1.0 EU per 1μg (determined by the LAL method).

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

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

Predicted Molecular Mass: 15.4 kDa

[PREPARATION]

Reconstitute in PBS.

[STORAGE AND STABILITY]

Storage: Store at 4^{O}C for short time storage (1-2 weeks). Aliquot and store at -20^{O}C or -80^{O}C for long term storage. Avoid repeated freeze/thaw cycles.

Valid period: 12 months stored at -80^{O}C.

[BACKGROUND]

The target protein is fused with a His-tag and its sequence is listed below. The first Met is an initiator amino acid. Moreover, Gly and Ser are added to improve the flexibility of N-terminus at both ends of the His-tag, which will increase the chelating ability of the tag to Ni-Sepharose during purification.

MGHHHHHHSGSEF-MAVADLALIP DVDIDSDGVF KYVLIRVHSA PRSGAPAAES KEIVRGYKWA EYHADIYDKV SGDMQKQGCD CECLGGGRIS HQSQDKKIHV YGYSMAYGPA QHAISTEKIK AKYPDYEVTW ANDGY