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PHPT1, 1-125aa, Human, His-tag, E.coli (Bioactivity Validated)

产品货号: TP03400

第三版

别名: 14 kDa phosphohistidine phosphatase, bA216L13.10, CGI-202, DKFZp564M173, HSPC141, PHP14, RP11-216L13.10

描述: PHPT1 is a 125 amino acid enzyme belonging to the Janus protein family. Existing as a monomer in the cytoplasm, PHPT1 is an EDTA-insensitive phosphohistidine phosphatase. Overexpression of PHPT1 leads to specific phosphohistidine phosphatase activity towards phosphopeptide I, with no activity detected towards phosphotyrosine, phosphothreonine and phosphoserine peptides. Recombinant human PHPT1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方: Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 0.2M NaCl, 2mM DTT, 10% glycerol

分子量: 15.9 kDa (145aa), confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMAVADLALIPDVIDSDGVFKYVLRVHSAPRSGAPAAESKEIVRGYKWAHEYHADIYDK
VSGDMQKQGCDCECLGGGRISHQSQDKKIHVYGYSMAYGPAQHAISTEKIKAKYPDYEVTWANDGY

纯度: > 95% by HPLC

浓度: 0.5 mg/ml (determined by Bradford assay)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.