

**PHOSPHO2, 1-241aa, Human, His tag, E.coli**

**Cat.NO.: TP03397**

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3th Edition

**Synonyms:**Pyridoxal phosphate phosphatase PHOSPHO2.

**Description:**Pyridoxal phosphate phosphatase PHOSPHO2, orphan 2, also known as PHOSPHO2, belongs to the haloacid dehalogenase(HAD) superfamily. Phosphatase has a high activity toward phosphoethanolamine (PEA) and phosphocholine (PCho). PHOSPHO 1, a phosphoethanolamine/phosphocholine phosphatase, is upregulated in mineralising cells and is thought to be involved in the generation of inorganic phosphate for bone mineralization.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl

**Molecular Weight:**30.3 kDa (265aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSHMKILLVDFDNTIIDDNSDTWIVQCAPNKKLPIELRDSYRKGFWTEFMGRVF  
KYLGDKGVREHEMKRAVTSLPFTPGMVELFNFIRKNKDKFDCIIISDSNSVFIDWVLEAASFHDIFDKVFTNPAAFNS  
NGHLTVENYHTHSCNRCPKNLCKKVVLIIEFVDKQLQQGVNYTQIVYIGDGGNDVCPVTFLKNDDVAMPKGYTLQK  
TLSRMSQNLEPMEYSVVVWSSGVDIISHLQFLIKD

**Purity:**> 95% by HPLC

**Concentration:**0.25 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.