

Recombinant Human PHOSPHO1 protein, His-tagged

Cat. No. PHOSPHO1-65H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PHOSPHO1(1-267aa) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-267 a.a.
Description	Phosphoethanolamine/phosphocholine phosphatase, also known as PHOSPHO1, has a high activity toward phosphoethanolamine (PEA) and phosphocholine (PCho). This protein is involved in the generation of inorganic phosphate for bone mineralization.
Form	Liquid. In Phosphate buffered Saline pH 7.4 containing 50% glycerol
Molecular Mass	32.2 kDa (291aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SGLVPRGSH MGSMSGCFP VSGLRCLSRD GRMAAQGAPR FLLTFDFDET IVDENSDDSI VRAAPGQRLP ESLRATYREGFYNEYMQRVF KYLGEQGVPR RDLSAIYEAI PLSPGMSDLL QFVAKQGACF EVILISDANT FGVSSLRAA GHHSLFRRIL SNPSGPDARGLLALRPFHTH SCARCPANMC KHKVLSDYLR ERAHDGVHFE RLFYVG DGAN DFCPMGLLAG GDVAFPRRGY PMHRLIQEAQ KAEPSSFRASVVPWETAADV RLHLQQVLKS C
Purity	> 95% by SDS - PAGE

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Storage	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	PHOSPHO1 phosphatase, orphan 1 [Homo sapiens]
Official Symbol	PHOSPHO1
Synonyms	PHOSPHO1; phosphatase, orphan 1; phosphoethanolamine/phosphocholine phosphatase;
Gene ID	162466
mRNA Refseq	NM_178500
Protein Refseq	NP_848595
MIM	
UniProt ID	Q8TCT1
Chromosome Location	17q21.32
Pathway	Glycerophospholipid metabolism, organism-specific biosystem; Glycerophospholipid metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem;
Function	hydrolase activity; metal ion binding; phosphocholine phosphatase activity;

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phosphoethanolamine phosphatase activity;

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