

Recombinant Human PHOSPHO2, His-tagged

Cat. No. PHOSPHO2-29980TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human PHOSPHO2 with N terminal His tag; 265 amino acids with tag, Predicted MWt 30.3 kDa.
Species	Human
Source	E.coli
ProteinLength	241 amino acids
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).
Conjugation	HIS
Molecular Weight	30.300kDa inclusive of tags
Form	Liquid
Purity	by SDS-PAGE
Storage buffer	pH: 8.00 Constituents: 0.32% Tris HCl, 0.02% DTT, 10% Glycerol, 0.58% Sodium chloride
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid

 Tel: 1-631-559-9269 1-516-512-3133

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repeated freeze / thaw cycles.

Sequences of amino acids

MGSSHHHHHHSSGLVPRGSHMGSHMKILLVDFDNTIIDD NSDTWIVQCAPNKKLPI
ELRDSYRKGFWTEFMGRVFKYLG DKGVREHEMKRAVTSLPFTPGMVELFNFIRKN
KDKFDCII ISDSNSVFIDWVLEAASFHDIFDKVFTNPAAFNSNGHLTV ENYHTHSCNR
CPKNLCKKVVLIEFVDKQLQQGVNYTQIVY IGDGGNDVCPVTFKNDVAMPKGY
TLQKTLSRMSQNLE PMEYSVVVWSSGVDIISHLQFLIKD

Sequence Similarities

Belongs to the HAD-like hydrolase superfamily. PHOSPHO family.

GENE INFORMATION

Gene Name

PHOSPHO2 phosphatase, orphan 2 [Homo sapiens]

Official Symbol

PHOSPHO2

Synonyms

PHOSPHO2; phosphatase, orphan 2; pyridoxal phosphate phosphatase PHOSPHO2;
MGC22679;

Gene ID

493911

mRNA Refseq

NM_001199286

Protein Refseq

NP_001186215

Uniprot ID

Q8TCD6

Chromosome Location

2q31.1

Pathway

Metabolic pathways, organism-specific biosystem; Vitamin B6 metabolism, organism-

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specific biosystem; Vitamin B6 metabolism, conserved biosystem;

Function

hydrolase activity; metal ion binding; pyridoxal phosphatase activity;

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