

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

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repeated freeze / thaw cycles.

Sequences of amino acids

MGSSHHHHHSSGLVPRGSHMGSHMKILLVDFDNTIIDD NSDTWIVQCAPNKKLPI
 ELRDSYRKGFWTEFMGRVFKYLG DKGVREHEMKRAVTSLPFTPGMVELFNFIRKN
 KDKFDCII ISDSNSVFDWVLEAASFHDIFDKVFTNPAAFNSNGHLTV ENYHTHSCNR
 CPKNLCKKVVLIEFVDKQLQQGVNYTQIVY IGDGGNDVCPVTFLKNDDVAMPKGY
 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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