

Recombinant Human PPA1, T7 -tagged

Cat. No. PPA1-28666TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length protein (Human) with a T7-tag fusion at the N-terminal end.
Species	Human
Source	E.coli
Description	The protein encoded by this gene is a member of the inorganic pyrophosphatase (PPase) family. PPases catalyze the hydrolysis of pyrophosphate to inorganic phosphate, which is important for the phosphate metabolism of cells. Studies of a similar protein in bovine suggested a cytoplasmic localization of this enzyme.
Conjugation	T7
Tissue specificity	Expressed ubiquitously.
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: 0.002% Sodium Azide Constituents: 10mM Tris, 0.1% Triton X-100, pH 8.0
Storage	Aliquot and store at -80°C. Avoid repeated freeze / thaw cycles.
Sequence	Belongs to the PPase family.

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Similarities

Full Length Full L.

GENE INFORMATION

Gene Name PPA1 pyrophosphatase (inorganic) 1 [Homo sapiens]

Official Symbol PPA1

Synonyms PPA1; pyrophosphatase (inorganic) 1; PP, pyrophosphatase (inorganic); inorganic pyrophosphatase; cytosolic inorganic pyrophosphatase; inorganic pyrophosphatase 1; IOPPP; PP1; Ppase; pyrophosphate phospho hydrolase; SID6 8061;

Gene ID 5464

mRNA Refseq NM_021129

Protein Refseq NP_066952

MIM 179030

Uniprot ID Q15181

Chromosome Location 10q11.1-q24

Pathway Cytosolic tRNA aminoacylation, organism-specific biosystem; Gene Expression, organism-specific biosystem; Hypothetical Network for Drug Addiction, organism-specific biosystem; Oxidative phosphorylation, organism-specific biosystem; Oxidative phosphorylation, conserved biosystem;

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Function

hydrolase activity; inorganic diphosphatase activity; inorganic diphosphatase activity;
magnesium ion binding;

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