

Product datasheet for **AR50222PU-N**

Pyrophosphatase 1 / PPA1 (1-289, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Pyrophosphatase 1 / PPA1 (1-289, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMSGFST EERAAPFSLE YRVFLKNEKG QYISPFHDIP IYADKDVFHM VVEVPRWSNA KMEIATKDPL NPIKQDVKKG KLRYVANLFP YKGYIWNRYGA IPQTWEDPGH NDKHTGCCGD NDPIDVCEIG SKVCARGEII GVKVLGILAM IDEGETDWKV IAINVDDPDA ANYNDINDVK RLKPGYLEAT VDWFRRYKVP DGKPENEFAP NAEFKDKDFA IDIKSTHDH WKALVTKKTN GKGISCMNTT LSESPFKCDP DAARAIVDAL PPPCESACTV PTDVKWFHH QKN
Tag:	His-tag
Predicted MW:	35.2 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 2 mM DTT, 20% glycerol, 200 mM NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human PPA1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_066952
Locus ID:	5464
UniProt ID:	Q15181 , V9HWB5
Cytogenetics:	10q22.1



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Synonyms: HEL-S-66p; IOPPP; PP; PP1; SID6-8061

Summary: 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. [provided by RefSeq, Jul 2008]

Protein Families: ES Cell Differentiation/IPS

Protein Pathways: Oxidative phosphorylation

Product images:

