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AR51591PU-S Human PPA2 (33-334, His-tag) - Purified

Alternate names: FLJ2045, HSPC124, Inorganic pyrophosphatase 2, Inorganic pyrophosphatase 2 mitochondrial, PPase 2, Pyrophosphatase SID6-306, Pyrophosphate phospho-hydrolase 2, SID6-306

Quantity: 0.1 mg

Concentration: 1.0 mg/ml (determined by Bradford assay)

Background: PPA2 is localized to the mitochondrion, is highly similar to members of the inorganic pyrophosphatase (PPase) family, and contains the signature sequence essential for the catalytic activity of PPase. PPases catalyze the hydrolysis of pyrophosphate to inorganic phosphate, which is important for the phosphate metabolism of cells. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.

Uniprot ID: Q9H2U2

NCBI: NP_789845

GeneID: 27068

Species: Human

Source: E. coli

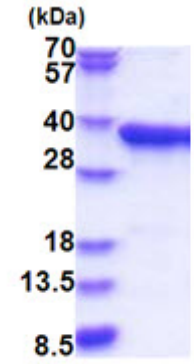
Format:
State: Liquid purified protein
Purity: >95% by SDS - PAGE
Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

Description: Recombinant human PPA2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
AA Sequence:
MGSSHHHHHH SSGLVPRGSH MGSALYHTEE RGQPCSQNYR LFFKNVTGHY ISPFHDIPLK
VNSKEENGIP MKKARNDEYE NLFNMIVEIP RWTNAKMEIA TKEPMNPIKQ YVKDGKLRYV
ANIFPYKGYI WNYGTLPQTW EDPHEKDKST NCFGDNDPID VCEIGSKILS CGEVIHVKIL
GILALIDEGE TDWKLIAINA NDPEASKFHD IDDVKKFKPG YLEATLNWFR LYKVPDGKPE
NQFAFNGEFK NKAFALEVIK STHQCWKALL MKKCNGGAIN CTNVQISDSP FRCTQEEARS
LVESVSSSPN KESNEEEQVW HFLGK
Molecular weight: 37.1 kDa (325aa) confirmed by MALDI-TOF

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. Shelf life: one year from despatch.

General Readings: Gauthier-Campbell C., Bredt D.S.,, et al. (2004) Mol. Biol. Cell 15:2205-2217

Pictures:



15% SDS-PAGE (3ug)