

Recombinant human PPA2 protein

Catalog Number: ATGP2771

PRODUCT INFORMATION

Expression system

E.coli

Domain

33-334aa

UniProt No.

Q9H2U2

NCBI Accession No.

NP_789845

Alternative Names

Inorganic pyrophosphatase 2 mitochondrial isoform 1, Inorganic pyrophosphatase 2, mitochondrial isoform 1, Pyrophosphatase (inorganic) 2, HSPC124, SID6-306

PRODUCT SPECIFICATION

Molecular Weight

37.1 kDa (325aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

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. Recombinant human PPA2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional

Recombinant human PPA2 protein

Catalog Number: ATGP2771

chromatography techniques.

Amino acid Sequence

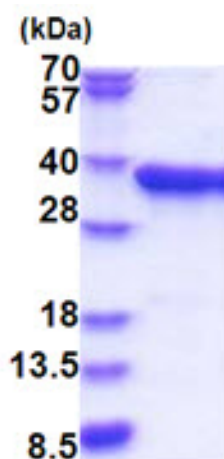
MGSSHHHHHH SGLVPRGSH MGSALYHTEE RGQPCSQNYR LFFKNVTGHY ISPFHDIPLK VNSKEENGIP MKKARNDEYE
NLFNMIVEIP RWTNAKMEIA TKEPMNPIKQ YVKDGKLRV ANIFPYKGYI WNYGTLPTQW EDPHEKDKST NCFGDNDPID
VCEIGSKILS CGEVIHVKIL GILALIDEGE TDWKLIANA NDPEASKFHD IDDVKKFKPG YLEATLNWFR LYKVPDGKPE
NQFAFNGEFK NKAFALVNIK STHQCWKALL MKKCNGGAIN CTNVQISDSP FRCTQEEARS LVESVSSSPN KESNEEEQVW
HFLGK

General References

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

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)