
Product Data Sheet

Product Name: PPA2 Human
 Cat. No.: GP22127
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	PPA2; Pyrophosphatase-2; Inorganic pyrophosphatase 2; mitochondrial; PPase 2; Pyrophosphatase SID6-306; Pyrophosphate phospho-hydrolase 2; HSPC124; Pyrophosphatase (inorganic) 2; SID6-306; Inorganic pyrophosphatase 2; mitochondrial isoform 1.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSALYHTEE RGQPCSQNYR LFFKNVTGHY ISPFHDIPLK VNSKEENGIP MKKARNDEYE NLFNMIVEIP RWTNAKMEIA TKEPMNPIKQ YVKDGLRYV ANIFPYKGYI WNYGTLPQTW EDPHEKDKST NCFGDNDPID VCEIGSKILS CGEVIHVKIL GILALIDEGE TDWKLIAINA NDPEASKFHD IDDVKKFKPG YLEATLNWFR LYKVPDGKPE NQFAFNGEFK NKAFALVIK STHQCWKALL MKKCNGGAIN CTNVQISDSP FRCTQEEARS LVESVSSSPN KESNEEEQVW HFLGK.		
Formulation	PPA2 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol, 1mM DTT.		

Introduction

PPA2 shares great imagination with members of the inorganic pyrophosphatase (PPase) family. PPA2 is localized to the mitochondrion and owns the signature sequence necessary for the catalytic activity of PPase. PPases catalyze the hydrolysis of pyrophosphate to inorganic phosphate, which is vital for the phosphate metabolism of cells.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

Background

PPA2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 325 amino acids (33-334 a.a) and having a molecular mass of 37.1kDa. PPA2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA