

## Pyrophosphatase-2 Human Recombinant

<b>Item Number</b>	rAP-1561
<b>Synonyms</b>	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.
<b>Description</b>	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.
<b>Uniprot Accesion Number</b>	Q9H2U2
<b>Amino Acid Sequence</b>	MGSSHHHHHH SSGLVPRGSH MGSALYHTEE RGQPCSQNYR LFFKNVTGHY ISPFHDIPLK VNS-KEENGIP MKKARNDEYE NLNFNMIVEIP RWTKNAKMEIA TKEPMNPIKQ YVKDGKLRYV ANIFPYKGYI WNYGTLQPTW EDPHEKDKST NCFGDNDPID VCEIGSKILS CGEVIVHKIL GILALIDEGE TDWKLIAINA NDPEASKFHD IDDVKKFKPG YLEATLNWFR LYKVPDGKPE NQFAFNGEFK NKAFALEVIK STHQCW-KALL MKKCNGGAIN CTNVQISDSP FRCTQEEARS LVEVSSSPN KESNEEEQVW HFLGK.
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered colorless solution. 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.
<b>Formulation and Purity</b>	PPA2 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol, 1mM DTT. Greater than 95.0% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**