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32-2704: PPA Recombinant Protein

Alternative Name : Inorganic pyrophosphatase,Pyrophosphate phospho-hydrolase,PPase,ppa,b4226,JW4185.

Description

Source : Escherichia Coli. PPA E.Coli Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 196 amino acids (1-176 a.a.) and having a molecular mass of 21.9kDa.PPA is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Inorganic pyrophosphatase (ppa) is a member of the Ppase family. PPA is an enzyme which catalyzes the conversion of one molecule of pyrophosphate to two phosphate ions. Since this is a highly exergonic reaction, it can therefore be coupled to unfavorable biochemical transformations in order to drive these transformations to completion. The role of the PPA enzyme is a critical one in the lipid metabolism (including lipid synthesis and degradation), calcium absorption and bone formation, DNA synthesis, as well as other biochemical transformations.

Product Info

Amount :	20 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	PPA protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 10% glycerol and 50mM NaCl.
Storage condition :	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.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MSLLNVPAGK DLPEDIYVVI EIPANADPIK YEIDKESGAL FVDRFMSTAM FYPCNYGYIN HTLSLDGDPV DVLVPTPYPL QPGSVIRCRP VGVLKMTDEA GEDAKLVAVP HSKLSKEYDH IKDVNDLPEL LKAQIAHFFE HYKDLEKGKW VKVEGWENAE AAKAEIVASF ERAKNK.

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