Product name: Inorganic Pyrophosphatase, E. coli

Cat #: IPE-100, IPE-200, IPE-OEM

Description:
Inorganic pyrophosphatase (PPase) is ubiquitous in nature and plays an important role in energy metabolism, provides a thermodynamic pull for biosynthetic reactions, such as protein, RNA, and DNA synthesis. Escherichia coli K-12 gene ppa encoding inorganic pyrophosphatase (PPase) was cloned and sequenced. The 5′-end of the ppa mRNA was identified by primer extension mapping.

Source:
E. coli strain carrying a plasmid encoding pyrophosphatase from E. coli K-12.

Application:
- Role in protein, RNA, and DNA synthesis
- Catalyzing the reaction PP\textsubscript{i} + H\textsubscript{2}O > 2P\textsubscript{i}

Unit Definition:
One unit will release 1.0 µ mole of inorganic orthophosphate per minute at pH 9 at 25°C.

Recommended Storage Condition: -20°C

Reference: