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PPA1, 1-289aa, Human, His tag, E.coli

产品货号: TP03479

第三版

别名: Inorganic pyrophosphatase, IOPPP, PP, PP1, SID6-8061.

描述: PPA1 (Pyrophosphatase) belongs to the PPase family. This protein is an enzyme that catalyzes the conversion of one molecule of pyrophosphate to two phosphate ions. The hydrolysis of inorganic pyrophosphate (PPi) to two phosphate ions is utilized in many biochemical pathways to render reactions effectively irreversible. Inorganic pyrophosphatase catalyzes this hydrolysis reaction in the early steps of lipid degradation, a prominent example of this phenomenon.

配方: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 20% glycerol, 200mM NaCl

分子量: 35.2kDa (313aa), confirmed by MALDI-TOF

序列:

MGSSHHHHHHSSGLVPRGSHMGSHMSGFSTEERAAPFSLEYRVFLKNEKGQYISPFHDIPIYADKDV FHMVVEVPRWSN  
AKMEIATKDPLNPIKQDVKKGKLRVYVANLFPYKGYIWNYGAIPTWEDPGHNDKHTGCCGDNDPIDVCEIGSKVCARG  
EIIGVKVLGILAMIDEGETDWKVIAINVDDPDAANYNDINDVKRLKPGYLEATVDWFRRYKVPDGKPENEFAFNAEFKDK  
DFAIDIIKSTHDHWKALVTKKTNGKGISCMNTTLESFPKCDPDAARAIVDALPPPCEACTVPTDVKWFHHQKN

纯度: > 95% by HPLC

浓度: 0.5mg/ml (determined by Bradford assay)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.