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Alkaline phosphatase, placental, 23-506aa, Human, His tag, Insect cell (Bioactivity Validated)

产品货号: TP01138

第三版

别名:ALPP, Alkaline phosphatase Regan isozyme, Placental alkaline phosphatase 1, PLAP-1

**描述:**ALPP, also known as alkaline phosphatase, placental, is a family of dimeric metalloenzymes catalyzing the hydrolysis of monoesters of phosphoric acid. Also, this protein catalyzes a transphosphorylation reaction in the presence of large concentrations of phosphate acceptors. It occurs widely in nature, and are found in many organisms from Escherichia coli to man. Most alkaline phosphatases are homodimeric enzymes and each catalytic site contains three metal ions (two Zn and one Mg), that are necessary for enzymatic activity. Recombinant human ALPP, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

**配方:**Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

**分子量:**53.9kDa (494aa), 50-70KDa (SDS-PAGE under reducing conditions).

**序列:**

ADLMIIPVEEENPDFWNREAAEALGAAKKLQPAQTAANKLIIFLGDGMGVSTVTAARILKGQKKDKLGPPELPLAMDRFPY  
VALSKTYNVDKHVDPD SGATATAYLCGVKGNFQTIGLSAAARFNQCNTTRGNEVISVMNRRAKKAGKSVGVVTTTRVQH  
ASPAGTYAHTVNRNWYSDADVPASARQEGCQDIATQLISNMDIDVILGGGRKYMFRMGTPDPEYPDDYSQGGTRLDGK  
NLVQEWLAKRQGARYVWNRTELMQASLDPSVTHLMGLFEPGDMKYEIHRDSTLDPSL MEMTEAALRLLSRNPRGFFLFV  
EGGRIDHGH HESRAYRALTETIMFDDAIERAGQLTSEEDTSLV TADHSHVFSFGGYPLRGSSIFGLAPGKARDRKAYTVLL  
YGNPGYVLKDGARPDVTESESGSPEYRQQSAVPLDEETHAGEDVA V FARGPQAHLVHGVQEQT FIAHVMAFAACLEP  
YTACDLAPPAGTTDHHHHHH

**纯度:**> 95% by HPLC

**浓度:**0.5mg/ml (determined by Absorbance at 280nm)

**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.