

## Alkaline Phosphatase Liver/Bone/Kidney Mouse Recombinant

<b>Item Number</b>	rAP-1509
<b>Synonyms</b>	Alpl, Akp-2, Akp2, ALP, APTNAP, TNAP, TNSALP, HOPS, AP-TNAP, Alkaline phosphatase 2.
<b>Description</b>	ALPL produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 493 amino acids (19-503 a.a.) and having a molecular mass of 54.5kDa (Molecular size on SDS-PAGE will appear at
<b>Uniprot Accession Number</b>	P09242
<b>Amino Acid Sequence</b>	VPEKERDPSY WRQQAQETLK NALKLQKLNT NVAKNVIMFL GDGMGVSTVT AARILKGQLH HNTGEETRLE MDKFPFVALS KTYNTNAQVP DSAGTATAYL CGVKANEGTV GVSAA- TERTR CNTTQGNEVT SILRWAKDAG KSVGIVTTTR VNHATPSAAY AHSADRDWYS DNEMPPEALS QGCK- DIAYQL MHNKIDIDVI MGGGRKYMYP KNRTDVEYEL DEKARGTRLD GLDLISIWKS FKPRHKHSHY VWN- RTELLAL DPSRVDYLLG LFEPGDMQYE LNRNNLTDP S LSEMVEVALR ILTKNLKGFF LLVEGGRIDH
<b>Source</b>	Sf9, Baculovirus cells.
<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>	ALPL protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol. Greater than 95.0% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	Specific activity is > 46,000 pmol/min/ug and is defined as the amount of enzyme that hydrolyze 1pmole of 4-Methylumbelliferyl phosphate to phosphate and 4-Methylumbelliferone per minute at pH 8.8 at 25C.
<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**