

Mouse ALPL Recombinant Protein



RPPB1432

Product Information Protein Information

Product SKU:

RPPB1432

Accession:

P09242

Host:

Sf9, Baculovirus cells.

Protein description:

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 approximately 50-70kDa). ALPL is expressed with an 8 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered colorless solution.

Synonyms:

Alpl, Akp-2, Akp2, ALP, APTNAP, TNAP, TNSALP, HOPS, AP-TNAP, Alkaline phosphatase 2.

Formulation:

ALPL protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

Purity:

Greater than 95.0% as determined by SDS-PAGE.

Stability:

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 Sequence:

VPEKERDPSY WRQQAQETLK NALKLQKLNT NVAKNVIMFL GDGMGVSTVT AARILKGQLH HNTGEETRLE
MDKFPFVALS KTYNTNAQVP DSAGTATAYL CGVKANEGTV GVSAATERTR CNTTQGNEVT SILRWAKDAG
KSVGIVTTRR VNHATPSAAY AHSADRDWYS DNEMPPEALS QGCKDIAYQL MHNKIDIDVI MGGGRKYMYP
KNRTDVEYEL DEKARGTRLD GLDLISIWKS FKPRHKHSHY VWNRTELLAL DPSRVDYLLG LFEPGDMQYE
LNRNNLTDPS LSEMVEVALR ILTKNLKGGF LLVEGGRIDH GHHEGKAKQA LHEAVEMDQA IGKAGAMTSQ
KDTLTVVTAD HSHVFTFGGY TPRGNSIFGL APMVSDTDKK PFTAILYNG PGYKVDGER ENVSMVDYAH
NNYQAQSAVP LRHETHGGED VAVFAKGPMA HLLHGVHEQN YIPHV MAYAS CIGANLDHCA WAGSGLEHHH
HHH.

Biological Activity:

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.