

RPPB1431

Product Information Protein Information

Product SKU:

RPPB1431

Accession:

P05187

Host:

Sf9, Baculovirus cells.

Protein description:

ALPP Human produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 494 amino acids (23-506 a.a.) and having a molecular mass of 53.9kDa. ALPP is expressed with a 10 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered colorless solution.

Synonyms:

3 ALPP, Alkaline phosphatase Regan isozyme, Placental alkaline phosphatase 1, PLAP-1, ALP, PLAP, Alkaline phosphatase placental type, EC 3.1.3.1, PLAP-1, Alkaline phosphatase Regan isozyme.

Formulation:

ALPP protein solution (0.5mg/ml) containing 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:

ADLMIIIPVEE ENPDFWNREA AEALGAAKKL QPAQTAAKNL IIFLDGDMGV STVTAARILK GQKKDKLGPE
LPLAMDRFPY VALSKTYNVD KHVPDSGATA TAYLCGVKGN FQTIGLSAAA RFNQCNTTRG NEVISVMNRA
KKAGKSVG VV TTRVQHASP AGTYAHTVNR NWYSDADVPA SARQEGCQDI ATQLISNMDI DVILGGGRKY
MFRMGTPDPE YPDDYSQGGT RLDGKNLVQE WLAKRQGARY VWNRTLMQA SLDPSVTHLM GLFEPGDMKY
EIHRDSTLDP SLMEMTEAAL RLLSRNPRGF FLFVEGGRID HGHESRAYR ALTETIMFDD AIERAGQLTS
EEDTL SLVTA DSHVFSFGG YPLRGSSIFG LAPGKARDRK AYT VLLYGNG PGYVLKDGAR PDVTESEGS
PEYRQQS AVP LDEETHAGED VAVFARGPQA HLVHGVQEQT FIAHVMAFAA CLEPYTACDL APPAGTTDHH
HHHH.

Biological Activity:

Specific activity is > 2,500unit/mg, and is defined as the amount of enzyme that hydrolyze 1.0nmole of p-nitrophenyl phosphate (pNPP) per minute at pH 7.5 at 37C.