

RPPB5779

Product Information Protein Information

Product SKU:

RPPB5779

Accession:

P13686

Host:

Sf9, Baculovirus cells.

Protein description:

ACP5 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 304 amino acids (22-325 a.a.) and having a molecular mass of 34.3kDa (Migrates at 28-40kDa on SDS-PAGE under reducing conditions). ACP5 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered colorless solution.

Synonyms:

Acid Phosphatase 5, Tartrate Resistant, Tartrate-Resistant Acid ATPase, Human Purple Acid Phosphatase, EC 3.1.3.2, TrATPase, Tartrate-Resistant Acid Phosphatase Type 5, Tartrate-Resistant Acid Phosphatase 5a, Tartrate-Resistant Acid Phosphatase 5b, Tartrate-Resistant Acid Phosphatase, Type 5 Acid Phosphatase, TRACP5a, TRACP5b, TR-AP, HPAP, TRAP, ACP5.

Formulation:

ACP5 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

Purity:

Greater than 90.0% 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:

ATPALRFVAV GDWGGVPNAP FHTAREMANA KEIARTVQIL GADFILSLGD Nfyftgvqdi NDKRFQETFE
DVFSDRSLRK VPWYVLAGNH DHLGNVSAQI AYSKISKRWN FPSPFYRLHF KIPQTNVSVA IFMLDTVTLC
GNSDDFLSQQ PERPRDVKLA RTQLSWLKKQ LAAAREDYVL VAGHYPVWSI AEHGPTHCLV KQLRPLLATY
GVTAYLCGHD HNLQYLQDEN GVGyVLSGAG NFMDPSKRHQ RKVPNGYLRf HYGTEDSLGG FAYVEISSKE
MTVTYIEASG KSLFKTRLPR RARP.

Biological Activity:

Specific activity is >10,000 units/mg, and is defined as the amount of enzyme that hydrolyze 1.0 nmoles of p-nitrophenyl phosphate (pNPP) per minute at pH 5.0 at 37°C.