Acid Phosphatase-5 Human Recombinant, His Tag

Item Number	rAP-1568
Synonyms	Acid Phosphatase 5, Tartrate Resistant, Tartrate-Resistant Acid ATPase, EC 3.1.3.2, TrATPase, SPENCDI, Tartrate-Resistant Acid Phosphatase Type 5, Tartrate-Resistant Acid Phosphatase, Type 5 Acid Phosphatase, TR-AP, TRAP, ACP5.
Description	ACP5 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 310 amino acids (22-325 a.a) and having a molecular mass of 35.1kDa (Migrates at 28-40kDa on SDS-PAGE under reducing conditions).ACP5 is fused to a 6 amino acid His-tag at C-terminus &
Uniprot Accesion Number	P13686
Amino Acid Sequence	ATPALRFVAV GDWGGVPNAP FHTAREMANA KEIARTVQIL GADFILSLGD NFYFTGVQDI NDKRFQET-FE DVFSDRSLRK VPWYVLAGNH DHLGNVSAQI AYSKISKRWN FPSPFYRLHF KIPQTNVSVA IFMLDTVTLC GNSDDFLSQQ PERPRDVKLA RTQLSWLKKQ LAAAREDYVL VAGHYPVWSI AEHGPTH-CLV KQLRPLLATY GVTAYLCGHD HNLQYLQDEN GVGYVLSGAG NFMDPSKRHQ RKVPNGYLRF HY-GTEDSLGG FAYVEISSKE MTVTYIEASG KSLFKTRLPR RARPHHHHHH.
Source	Sf9, Baculovirus cells.
Physical Appearance and Stability	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.
Formulation and Purity	ACP5 protein solution (0.5mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	Specific activity is > 5,000 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 37C.
Shipping Format and Condition	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