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Product datasheet for TP310752L

Tartrate Resistant Acid Phosphatase (ACP5) (NM_001611) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human acid phosphatase 5, tartrate resistant (ACP5), transcript variant 4, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC210752 protein sequence Red=Cloning site Green=Tags(s) MDMWTALLILQALLLPSLADGATPALRFVAVGDWGGVPNAPFHTAREMANAKEIARTVQILGADFILSLG DNFYFTGVQDINDKRFQETFEDVFSDRSLRKVPWYVLAGNHDHLGNVSAQIAYSKISKRWNFPSPFYRLH FKIPQTNVSVAIFMLDTVTLCGNSDDFLSQQPERPRDVKLARTQLSWLKKQLAAAREDYVLVAGHYPVWS IAEHGPTHCLVKQLRPLLATYGVTAYLCGHDHNLQYLQDENGVGYVLSGAGNFMDPSKRHQRKVPNGYLR FHYGTEDSLGGFAYVEISSKEMTVTYIEASGKSLFKTRLPRRARP TRTRPLEQKLISEEDLAANDILDYKDDDDKV		
Tag:	C-Myc/DDK
Predicted MW:	34.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001602
Locus ID:	54

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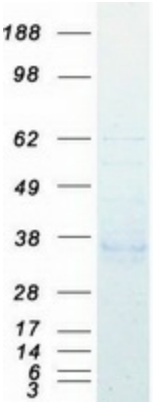
UniProt ID:	P13686, A0A024R7F8
RefSeq Size:	1506
Cytogenetics:	19p13.2
RefSeq ORF:	975
Synonyms:	HPAP; TRACP5a; TRACP5b; TRAP; TrATPase
Summary:	This gene encodes an iron containing glycoprotein which catalyzes the conversion of orthophosphoric monoester to alcohol and orthophosphate. It is the most basic of the acid phosphatases and is the only form not inhibited by L(+)-tartrate. [provided by RefSeq, Aug 2008]
Protein Families:	Druggable Genome
Protein Pathways:	Lysosome, Riboflavin metabolism

Product images:



Coomassie blue staining of purified ACP5 protein (Cat# [TP310752]). The protein was produced from HEK293T cells transfected with ACP5 cDNA clone (Cat# [RC210752]) using MegaTran 2.0 (Cat# [TT210002]).