Recombinant Human ATP2B4 Protein, MYC/DDK-tagged

Cat. No. ATP2B4-2945H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ATP2B4 protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293.
Species	Human
Source	HEK293
Description	The protein encoded by this gene belongs to the family of P-type primary ion transport ATPases characterized by the formation of an aspartyl phosphate intermediate during the reaction cycle. These enzymes remove bivalent calcium ions from eukaryotic cells against very large concentration gradients and play a critical role in intracellular calcium homeostasis. The mammalian plasma membrane calcium ATPase isoforms are encoded by at least four separate genes and the diversity of these enzymes is further increased by alternative splicing of transcripts. The expression of different isoforms and splice variants is regulated in a developmental, tissue- and cell type-specific manner, suggesting that these pumps are functionally adapted to the physiological needs of particular cells and tissues. This gene encodes the plasma membrane calcium ATPase isoform 4. Alternatively spliced transcript variants encoding different isoforms have been identified.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	133.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name	ATP2B4 ATPase, Ca++ transporting, plasma membrane 4 [Homo sapiens]
Official Symbol	ATP2B4
Synonyms	ATP2B2; MXRA1; PMCA4; PMCA4b; PMCA4x
Gene ID	493
mRNA Refseq	NM_001001396
Protein Refseq	NP_001001396
MIM	108732
UniProt ID	P23634

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