

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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