

Recombinant Human ATP2B2 Protein, MYC/DDK-tagged

Cat. No. ATP2B2-2938H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ATP2B2 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 2. 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	136.7 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 ATP2B2 ATPase, Ca++ transporting, plasma membrane 2 [Homo sapiens]

Official Symbol ATP2B2

Synonyms PMCA2; PMCA2a; PMCA2i

Gene ID 491

mRNA Refseq NM_001001331

Protein Refseq NP_001001331

MIM 108733

UniProt ID Q01814

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