Recombinant Human ATP2C2 Protein, His-tagged

Cat. No. ATP2C2-269H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ATP2C2 Protein (Met1-Tyr106) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Tyr106
Description	Enables P-type calcium transporter activity and P-type manganese transporter activity. Predicted to be involved in calcium ion transmembrane transport; cellular calcium ion homeostasis; and manganese ion transport. Predicted to act upstream of or within mammary gland epithelium development; positive regulation of calcium ion import; and protein localization to plasma membrane. Predicted to be located in trans-Golgi network membrane. Predicted to be active in Golgi membrane; endoplasmic reticulum; and plasma membrane. Predicted to be integral component of membrane.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 15.8 kDa Accurate Molecular Mass: 19 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	ATP2C2 ATPase, Ca++ transporting, type 2C, member 2 [Homo sapiens (human)]
Official Symbol	ATP2C2
Synonyms	AT2C2_HUMAN; ATP2C2; ATPase 2C2; ATPase, Ca++ transporting, type 2C, member 2; Calcium-transporting ATPase type 2C member 2; DKFZp686H22230; KIAA0703; Secretory pathway Ca(2+)-ATPase 2; ATP2C2; SPCA2
Gene ID	9914
mRNA Refseq	NM_014861
Protein Refseq	NP_055676
MIM	613082
UniProt ID	O75185

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