

Recombinant Human ATP2C1 Protein, His-tagged

Cat. No. ATP2C1-268H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ATP2C1 Protein (Met1-Pro70) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Pro70
Description	The protein encoded by this gene belongs to the family of P-type cation transport ATPases. This magnesium-dependent enzyme catalyzes the hydrolysis of ATP coupled with the transport of calcium ions. Defects in this gene cause Hailey-Hailey disease, an autosomal dominant disorder. Alternatively spliced transcript variants encoding different isoforms have been identified.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 11.6 kDa Accurate Molecular Mass: 15 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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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

ATP2C1 ATPase, Ca⁺⁺ transporting, type 2C, member 1 [Homo sapiens (human)]

Official Symbol

ATP2C1

Synonyms

ATP2C1; ATPase, Ca⁺⁺ transporting, type 2C, member 1; BCPM, benign chronic pemphigus (Hailey Hailey disease); calcium-transporting ATPase type 2C member 1; ATP2C1A; KIAA1347; PMR1; secretory pathway Ca²⁺/Mn²⁺ ATPase 1; SPCA1; HUSSY-28; ATPase 2C1; ATPase, Ca(2+)-sequestering; ATP-dependent Ca(2+) pump PMR1; HHD; BCPM; hSPCA1

Gene ID

27032

mRNA Refseq

NM_001001485

Protein Refseq

NP_001001485

MIM

604384

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UniProt ID

P98194

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