

Recombinant Human ATP2C1, His-tagged

Cat. No. ATP2C1-10012H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ATP2C1 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	320-654a.a.
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.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.

GENE INFORMATION

Gene Name	ATP2C1 ATPase, Ca ⁺⁺ transporting, type 2C, member 1 [Homo sapiens]
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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 Ca ²⁺ /Mn ²⁺ 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
UniProt ID	P98194
Chromosome Location	3q21.3
Pathway	Ion channel transport, organism-specific biosystem; Ion transport by P-type ATPases, organism-specific biosystem; Transmembrane transport of small molecules, organism-specific biosystem; calcium transport I, organism-specific biosystem;
Function	ATP binding; ATP binding; calcium ion binding; calcium-transporting ATPase activity; NOT calcium-transporting ATPase activity; calcium-transporting ATPase activity; calcium-transporting ATPase activity; hydrolase activity; hydrolase activity, acting on ac