

Recombinant Human ATP2C1 cell lysate

Cat. No. ATP2C1-148HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
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 the calcium. Defects in this gene cause Hailey-Hailey disease, an autosomal dominant disorder. Alternatively spliced transcript variants encoding different isoforms have been identified.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	ATP2C1 ATPase, Ca ⁺⁺ transporting, type 2C, member 1 [Homo sapiens]
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;

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	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 acid anhydrides, catalyzing transmembrane movement of substances; manganese ion binding; manganese-transporting ATPase activity; metal ion binding; nucleotide binding; signal transducer activity;