# Recombinant Human ATP6AP2 293 Cell Lysate

**Cat. No.** ATP6AP2-8591HCL **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | |
| **Species** | Human |
| **Source** | HEK293 |
| **Description** | Antigen standard for ATPase, H+ transporting, lysosomal accessory protein 2 (ATP6AP2) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection. |
| **Components** | This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol). |
| **Size** | 0.1 mg |
| **Storage Instruction** | Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment. |

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| **Applications** | ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane. |

## GENE INFORMATION

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| **Gene Name** | ATP6AP2 ATPase, H+ transporting, lysosomal accessory protein 2 [ Homo sapiens ] |
| **Official Symbol** | ATP6AP2 |
| **Synonyms** | ATP6AP2; ATPase, H+ transporting, lysosomal accessory protein 2; ATP6IP2, ATPase, H+ transporting, lysosomal interacting protein 2; renin receptor; APT6M8 9; ATP6M8 9; M8 9; N14F; V-ATPase M8.9 subunit; renin/prorenin receptor; ER-localized type I transmembrane adaptor; embryonic liver differentiation factor 10; ATPase H(+)-transporting lysosomal-interacting protein 2; ATPase, H+ transporting, lysosomal interacting protein 2; vacuolar ATP synthase membrane sector-associated protein M8-9; vacuolar proton ATP synthase membrane sector associated protein M8-9; ATPase, H+ transporting, lysosomal (vacuolar proton pump) membrane sector associated protein M8-9; M8-9; MRXE; XMRE; HT028; ELDF10; ATP6IP2; MSTP009; APT6M8-9; ATP6M8-9; MGC99577; |
| **Gene ID** | 10159 |
| **mRNA Refseq** | NM_005765 |
| **Protein Refseq** | NP_005756 |
| **MIM** | 300556 |
| **UniProt ID** | O75787 |

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| **Chromosome Location** | Xp11.4 |
| **Pathway** | ACE Inhibitor Pathway, organism-specific biosystem; Oxidative phosphorylation, organism-specific biosystem; Wnt signaling network, organism-specific biosystem; |
| **Function** | protein binding; receptor activity; |

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