

# Recombinant Human ATP2B4 protein, His-tagged

**Cat. No.** ATP2B4-2588H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human ATP2B4 protein(281-345 aa), fused to His tag, was expressed in E. coli.                                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | 281-345 aa                                                                                                                                                                                                                                                                          |
| <b>Form</b>             | The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole. |
| <b>AA Sequence</b>      | GIILTLLGVNEDDEGEKKKKGKKQGVPENRNKAKTQDGVALEIQPLNSQEGIDNEEK<br>DKKAVKVP                                                                                                                                                                                                               |
| <b>Purity</b>           | 95%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                                                            |
| <b>Storage</b>          | Short-term storage: Store at 2-8°C for (1-2 weeks).<br>Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.                                                |
| <b>Reconstitution</b>   | Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage.<br>Reconstitution with 200 µl 50% glycerol solution is recommended for longer term                                                                                                                       |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

storage.

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                          |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | ATP2B4 ATPase, Ca++ transporting, plasma membrane 4 [ Homo sapiens ]                                                                                                                                                                                                                                                                     |
| <b>Official Symbol</b> | ATP2B4                                                                                                                                                                                                                                                                                                                                   |
| <b>Synonyms</b>        | ATP2B4; ATPase, Ca++ transporting, plasma membrane 4; ATP2B2, matrix remodelling associated 1 , MXRA1; plasma membrane calcium-transporting ATPase 4; plasma membrane calcium transporting ATPase 4; PMCA4; sarcolemmal calcium pump; matrix-modeling-associated protein 1; MXRA1; ATP2B2; PMCA4b; PMCA4x; DKFZp686M088; DKFZp686G08106; |
| <b>Gene ID</b>         | 493                                                                                                                                                                                                                                                                                                                                      |
| <b>mRNA Refseq</b>     | NM_001001396                                                                                                                                                                                                                                                                                                                             |
| <b>Protein Refseq</b>  | NP_001001396                                                                                                                                                                                                                                                                                                                             |
| <b>MIM</b>             | 108732                                                                                                                                                                                                                                                                                                                                   |
| <b>UniProt ID</b>      | P23634                                                                                                                                                                                                                                                                                                                                   |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA