

Recombinant Full Length Human ATP1B3 Protein

Cat. No. ATP1B3-1167HF **Lot. No.** (See product label)

SPECIFICATION

| | |
|-------------------------|--|
| Product Overview | Human ATP1B3 full-length ORF (NP_001670.1) recombinant protein without tag. |
| Species | Human |
| Source | In Vitro Cell Free System |
| ProteinLength | 279 amino acids |
| Description | <p>The protein encoded by this gene belongs to the family of Na⁺/K⁺ and H⁺/K⁺ ATPases beta chain proteins, and to the subfamily of Na⁺/K⁺ -ATPases. Na⁺/K⁺ -ATPase is an integral membrane protein responsible for establishing and maintaining the electrochemical gradients of Na and K ions across the plasma membrane. These gradients are essential for osmoregulation, for sodium-coupled transport of a variety of organic and inorganic molecules, and for electrical excitability of nerve and muscle.</p> <p>This enzyme is composed of two subunits, a large catalytic subunit (alpha) and a smaller glycoprotein subunit (beta). The beta subunit regulates, through assembly of alpha/beta heterodimers, the number of sodium pumps transported to the plasma membrane. The glycoprotein subunit of Na⁺/K⁺ -ATPase is encoded by multiple genes. This gene encodes a beta 3 subunit. This gene encodes a beta 3 subunit. A pseudogene exists for this gene, and it is located on chromosome 2. [provided by RefSeq, Jul 2008]</p> |
| Molecular Mass | 31.5 kDa |
| AA Sequence | MTKNEKKSLN QSLAEWKLFY YNPTTGEFLG RTAKSWGIL L LFYLVFYGFL |

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

AALFSFTMWV MLQTLNDEVP KYRDQIPSPG LMVFPKPVTA LEYTFSRSDP
 TSYAGYIEDL KKFLKPYTLE EQKNLTVCPD GALFEQKGPV YVACQFPISL
 LQACSGMNDP DFGYSQGNPC ILVKMNRIIG LKPEGVPRID CVSKNEDIPN
 VAVYPHNGMI DLKYFPYYGK KLHVGYLQPL VAVQVSFAPN NTGKEVTVEC
 KIDGSANLKS QDDRDKFLGR VMFKITARA

Applications Antibody Production; Functional Study; Compound Screening

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 25 mM Tris-HCl of pH8.0 containing 2% glycerol.

GENE INFORMATION

Gene Name [ATP1B3 ATPase, Na+/K+ transporting, beta 3 polypeptide \[Homo sapiens \]](#)

Official Symbol [ATP1B3](#)

Synonyms ATP1B3; ATPase, Na+/K+ transporting, beta 3 polypeptide; sodium/potassium-transporting ATPase subunit beta-3; CD298; FLJ29027; Na, K-ATPase beta-3 polypeptide; sodium/potassium-dependent ATPase beta-3 subunit; sodium/potassium-dependent ATPase subunit beta-3; sodium/potassium-transporting ATPase beta-3 chain; ATPB-3

Gene ID [483](#)

mRNA Refseq [NM_001679](#)

Protein Refseq [NP_001670](#)

MIM [601867](#)

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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



UniProt ID

P54709

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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