

## Product datasheet for MR223765

### Atp10d (NM\_153389) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Atp10d (NM\_153389) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Atp10d  
**Synonyms:** 9830145H18Rik; ATPVD; D5Buc24e  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR223765 representing NM\_153389  
 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence: >MR223765 representing NM\_153389  
 Red=Cloning site Green=Tags(s)

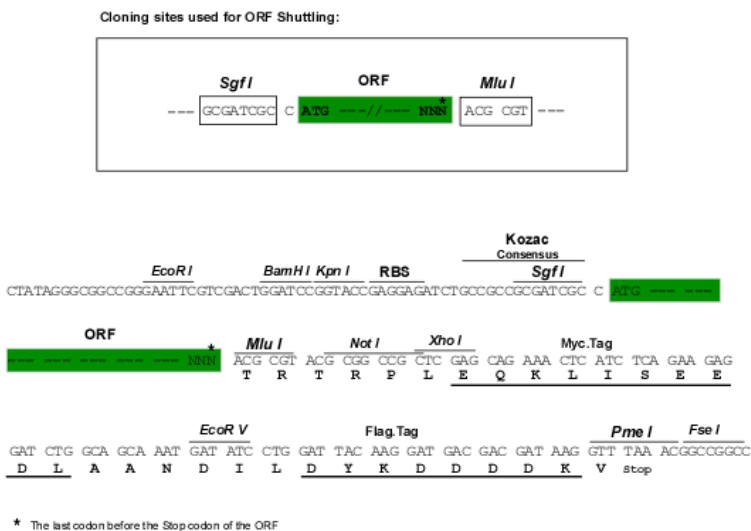
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Chromatograms: [https://cdn.origene.com/chromatograms/mm9001\\_b08.zip](https://cdn.origene.com/chromatograms/mm9001_b08.zip)

Restriction Sites: SgfI-MluI

Cloning Scheme:

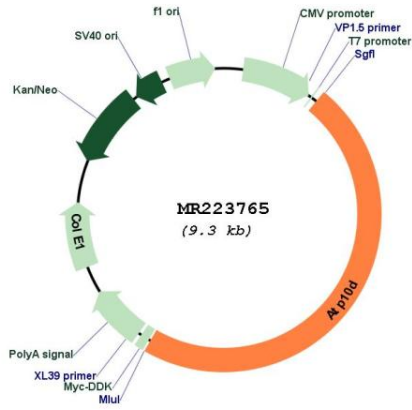


ACCN: NM\_153389

ORF Size: 4407 bp

<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_153389.3</a> , <a href="#">NP_700438.3</a>
<b>RefSeq Size:</b>	6021 bp
<b>RefSeq ORF:</b>	4410 bp
<b>Locus ID:</b>	231287
<b>UniProt ID:</b>	<a href="#">Q8K2X1</a>
<b>Cytogenetics:</b>	5 C3.2
<b>MW:</b>	164.4 kDa
<b>Gene Summary:</b>	Catalytic component of a P4-ATPase flippase complex which catalyzes the hydrolysis of ATP coupled to the transport of aminophospholipids from the outer to the inner leaflet of various membranes and ensures the maintenance of asymmetric distribution of phospholipids. Phospholipid translocation seems also to be implicated in vesicle formation and in uptake of lipid signaling molecules (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR223765