

Product datasheet for **RR205158**

Atp5f1 (NM_134365) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Atp5f1 (NM_134365) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Atp5f1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR205158 representing NM_134365
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGTCCCGGGTGGTACTTTCTGCCCGCCACAGCGGCCCGTGTCTGAAGAACCGGGCCGTCTGG
GTCCAGGGGTTTACAGGCAACAAGGGTCTTTACACAGGACAGCCTCGCCTTGCCCTCTACCACCTCT
TCCTGAATATGGAGGAAAAGTACGTCTTGGCTGATTCTGAGGAATTTTCCAGTTCCTTACCCTAAG
ACTGGTGTAAACAGGACCCTACGTGCTTGGAACTGGCTTACGTTGACTTTCTATCCAAAGAAATATATG
TGATTACCCAGAGACCTTCTCTACCATACAGTAGTAGGGTTGATTGTCTATGTGATTAAGAAATATGG
CGCCTCTATTGGAGAATTTATTGACAACTTAATGAGGAAAAAATGCTCAACTAGAAGAAATAAAGCAG
TCAAGCATGAAGCAAATCCAGGATGCAATCAACAGGGAGAAGGCACAGCAGGCACTGGTTCAGAAGCGCC
ACTACCTCTTCGATGTTTCAGAGGAATAACATTGCCCTGGCCTTGGAGGTCACCTACCGGGAACGACTACA
TAAAGCATATAAGGAGGTAAAGAATCGCCTGGACTACCATTTTCTGTACAGGACATGATGCGTCGCAAG
GAGGGAGAGCACATGATAAACTGGTGGAGAAGCATGTGATACAGAGCATTCTGCACAGCAGGAAAAGG
AGACCATTGCCAAGTGCATCGGAGATCTAAAGATGCTTGCAAAGAAGGCTCAAGCTCAGCCAATTATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR205158 representing NM_134365
Red=Cloning site Green=Tags(s)

MLSRVLSAAATAAPCLKNAAVLPGVQLQATRVFHTGQPRLAPLPLPEYGGKVRLLGLIPEEFFQFLYPK
TGVTPYVLTGLSFLYFLSKEIYVITPETFSTISVVGLIVYVIKKYGASIGEFIDKLNEEKIAQLLEIKQ
SSMKQIQDAINREKAQQALVQKRHYLFDVQRNNIALALEVTYRERLHKAYKEVKNRDLDYHISVQDMMRRK
EGEHMINWVEKHVIQSISAQKEKETIAKCIIGDLKMLAKKAQAQPIIM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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| Components: | 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). |
| Reconstitution Method: | <ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.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. |
| RefSeq: | <u>NM_134365.2</u> , <u>NP_599192.1</u> |
| RefSeq Size: | 1221 bp |
| RefSeq ORF: | 771 bp |
| Locus ID: | 171375 |
| UniProt ID: | <u>P19511</u> |
| Cytogenetics: | 2q34 |
| MW: | 28.9 kDa |
| Gene Summary: | may act as a hydrogen transporting ATPase [RGD, Feb 2006] |