

Product datasheet for RR211925

Atp5f1d (NM_139106) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Atp5f1d (NM_139106) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Atp5f1d
Synonyms: Atp5d
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR211925 representing NM_139106
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGCCCGCCGATTGCTTCGTCACCCAGGTCTGCGCCGTCTGGTGCTCCAGGCGGTACGTACGCC
AGGCCGCCGCTCACCTGCCCGCCGCTGGCCCTGGACAGATGTCTTACCTTCGCTCCCGCAGCA
GGTGTCTTTGATGGTGCCAATGTCGGCAAGTGGATGTGCCTACGCTGACTGGAGCCTTTGGCATCCTG
GCATCCCATGTCCCACACTACAGGTCTACGGCCTGGGCTGGTAAATGGTTCATGCGGAAGATGGACCA
CAACTAAGTATTTGTGAGCAGCGGCTCCGTCCTGTAATGCGGACTCCTCTGTGCAATTAAGTCTGA
AGAAGTCGTGACTGGACATGCTGGACCTCGGGCAGCCCGGGCAAACCTGGAGAAGGCGCAGTCAGAG
CTGTCAGGGGCAGCAGATGAGGCAGCACGGGCTGAGATCCAAATCCGGATCGAGGCCAATGAAGCCCTGG
TGAAGCCCTGGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR211925 representing NM_139106
Red=Cloning site Green=Tags(s)

MLPAALLRHPGLRRLVLQARTYAQAASPAPAAGPGQMSFTFASPTQVFFDGANVRQVDVPTLTGAFGIL
ASHVPTLQVLRPGLVMVHAEDGTTTKYFVSSGSVTVNADSSVQLLAEVVTLDMLDLGAARANLEKAQSE
LSGADEAARAEIQIRIEANEALVKALE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

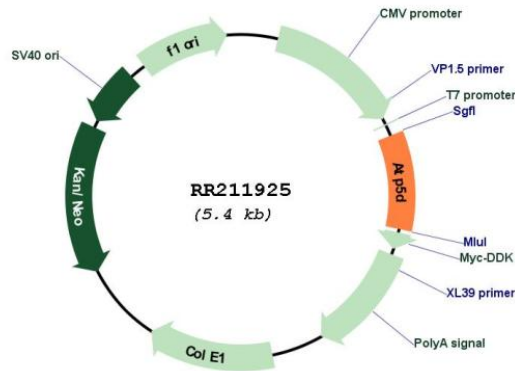
Restriction Sites: SgfI-MluI



Cloning Scheme:



Plasmid Map:



ACCN: NM_139106

ORF Size: 504 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_139106.1</u> , <u>NP_620806.1</u>
RefSeq Size:	811 bp
RefSeq ORF:	507 bp
Locus ID:	245965
UniProt ID:	<u>P35434</u>
Cytogenetics:	7q11
MW:	17.6 kDa
Gene Summary:	maintains structural stability of F1 moiety of ATP synthase [RGD, Feb 2006]