

Product datasheet for **RG204991**

ATP5PO (NM_001697) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ATP5PO (NM_001697) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ATP5PO
Synonyms:	ATP5O; ATPO; HMC08D05; OSCP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG204991 representing NM_001697 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGCCCCAGCAGTGTCCGGGCTCTCCGGCAGGTGCGATGCTTCAGTACCTCTGTGGTCAGACCAT
TTGCCAAGCTTGTGAGGCTCCTGTTCCAGGTATACGGTATTGAAGGTCGCTATGCCACAGCTCTTTATTC
TGCTGCATCAAAACAGAATAAGCTGGAGCAAGTAGAAAAGGAGTTGTTGAGAGTAGCACAATCCTGAAG
GAACCCAAAGTGGCTGCTTCTGTTTTGAATCCCTATGTGAAGCGTCCATTAAAGTGAAAAGCCTAAATG
ACATCACAGCAAAGAGAGGTTCTCTCCCTCACTACCAACCTGATCAATTTGCTTGCTGAAAATGGTCG
ATTAAGCAATACCAAGGAGTCGTTTCTGCCTTTTCTACCATGATGAGTGTCCATCGCGGAGAGGTACCT
TGACAGTGACCTCTGCATCTCCTTTAGAAGAAGCCACACTCTCTGAATTAATAAAGTGTCTCAAGAGCT
TCCTAAGTCAAGGCCAAGTATTGAAATTGGAGGCTAAGACTGATCCGTCATCTTGGGTGGAATGATTGT
GCGCATTGGCGAGAAATATGTTGACATGTCTGTCAAGACCAAGATTGAGAAGCTGGGCAGGGCTATGCGG
GAGATTGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Reconstitution Method:

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: [NM_001697.1](#)

RefSeq Size: 815 bp

RefSeq ORF: 642 bp

Locus ID: 539

UniProt ID: [P48047](#)

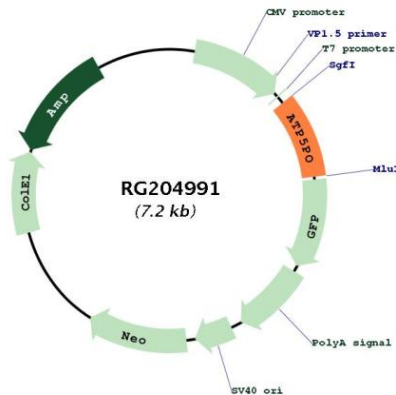
Cytogenetics: 21q22.11

Domains: OSCP

Protein Pathways: Alzheimer's disease, Huntington's disease, Metabolic pathways, Oxidative phosphorylation, Parkinson's disease

Gene Summary: The protein encoded by this gene is a component of the F-type ATPase found in the mitochondrial matrix. F-type ATPases are composed of a catalytic core and a membrane proton channel. The encoded protein appears to be part of the connector linking these two components and may be involved in transmission of conformational changes or proton conductance. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG204991