

Product datasheet for **SC126218**

ATP13A2 (BC030267) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ATP13A2 (BC030267) Human Untagged Clone
Tag:	Tag Free
Symbol:	ATP13A2
Synonyms:	ATPase type 13A2; FLJ26510; HSA9947; KRPPD; OTTHUMP0000002399; PARK9; putative ATPase
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for BC030267 edited

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CGCCGAGCCTGGTGGCCAGGTGCCCGCCCGCGTCAGCCCTGCTCCAGCCCCGCGCTAG
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5' Read Nucleotide Sequence:	>OriGene 5' read for BC030267 unedited GGTCGGATTTGTATACGACTCACTATAGGCGGCCGCGTATCCCGGNATCGCCGAGCCTG GTGGCCAGGTGCCCCGCCGCGTCAGCCCTGCTCCAGCCCCGCGCTAGCCCAGCGCCCC TCGCCCCGGGCGTCCGGACCGCGCCCCCGCCAGGGCTTGCGCACGCCGGGGCCAGG CCGAGGGCCGACGCGCCGGGCGCGATGAGCGCGAGGAGCCGGCATGAGCGCAGACAG CAGCCCTCTCGTGGGCAGCACGCCACCCGTTATGGGACCCTGACGATAGGGACATCAAT AGATCCCTCAGCTCCTCAGTTTCATCCGTGAGGCTCAGCGGCTACTGTGGCAGTCCATG GAGGGTCATCGGCTATCACGTCGTGGTCTGGATGATGGCTGGGATCCCTTTGCTGCTCTT CCGTTGGAAGCCCTGTGGGGGTGCGGCTGCGGCTCCGCCCCTGCAACCTGGCCACGC CGAAACTCGTTATCGAAATAAGAGACAAAGAGGATAGTTCTGGCAGCTCTTCACTGT CCAGGTGCAGACTGAGGCCATCGGCGAGGGCAGCCTGGAGCCGTCACACAGTCCCAGGC AGAGGATGGCCGGAGCCAGGCGGAGTTGGGGCGGTACCCGAGGGTGCCTGGAAGGATAC CGCCCCATCTCCAAGAGCCAGGAGGCCAACCGGGTGTGCGGTATTACCTCCTCCAGG GCCAGCGTATATCTGGATCGAGACCCAGCAGCCCTTCTACCAGGTGAGCCTCCTGGGAC CATGGCCGCTTTGGGACGACGTCCACCCGTCGCGCATGGGCTCAGCCTCCGGGACCAAT TGGGAGAAAGCCCTTTACGGGCCACCCGATCAGCATACCGGTCAAGTCTACCCCAT TGCTGGTGGACGAGGCACTGAACCCCTACTAGGGGTGTC
Restriction Sites:	NotI-NotI
ACCN:	BC030267
Insert Size:	3700 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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>BC030267.1</u> , <u>AAH30267.1</u>
RefSeq Size:	3732 bp
RefSeq ORF:	3474 bp
Locus ID:	23400
Cytogenetics:	1p36.13

Protein Families: Transmembrane

Gene Summary: This gene encodes a member of the P5 subfamily of ATPases which transports inorganic cations as well as other substrates. Mutations in this gene are associated with Kufor-Rakeb syndrome (KRS), also referred to as Parkinson disease 9. Multiple transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Nov 2008]