

## Product datasheet for **SC326349**

### ATP13A2 (NM\_001141973) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ATP13A2 (NM\_001141973) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** ATP13A2  
**Synonyms:** CLN12; HSA9947; KRPPD; PARK9; SPG78  
**Vector:** pCMV6 series  
**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001141973, the custom clone sequence may differ by one or more nucleotides

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ATGAGCGCAGACAGCAGCCCTCTCGTGGGCAGCAGCCACCGGTTATGGGACCCTGACG
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GACACCCCGTGGGGCAGCCCATGGACTGAAGATGGTGGAGTCTACTGGCTGGGTCTCTG

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GAGGAAGAGCCGGCTGCAGACTCAGCATTGGGACCCAGGTCTTGGCAGTGATGAGACCC  
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 CTCAACTCGTGGGGGCTTCTGCTGGAGAGCGTGTAGACCAGTGCCTCCCCGCTGC  
 CTGCGCCGCTCCGGCCCAAGCGGGCTCCAAGAAGCGCTTCAAGCAGCTGGAACGAGAG  
 CTGGCCGAGCAGCCCTGGCCGCCGCTGCCCGCCGCCCTGAGG

- Restriction Sites:** Please inquire
- ACCN:** NM\_001141973
- 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:**

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\\_001141973.1](#), [NP\\_001135445.1](#)

**RefSeq Size:** 3981 bp

**RefSeq ORF:** 3528 bp

**Locus ID:** 23400

**UniProt ID:** [Q9NQ11](#)

**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]  
Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 5' coding region, compared to variant 1, resulting in a shorter protein (isoform 2). The transcript contains an upstream ORF that could encode a 103aa protein and may modulate translation from the downstream ORF encoding isoform 2.