

Product datasheet for **SC205376**

ABCA4 (NM_000350) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones

Product Name: ABCA4 (NM_000350) Human 3' UTR Clone

Vector: pMirTarget (PS100062)

Symbol: ABCA4

Synonyms: ABC10; ABCR; ARMD2; CORD3; FFM; RMP; RP19; STGD; STGD1

ACCN: NM_000350

Insert Size: 433 bp

Insert Sequence: >SC205376 3'UTR clone of NM_000350

The sequence shown below is from the reference sequence of NM_000350. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GCTGGAGCCAGTCGACAAGCCCAGGACTGATCTTTCACACCCGCTCGTTCCTGCAGCCAGAAAGGAATC
TGGGCAGCTGGAGGCGCAGGAGCCTGTGCCATATGGTCATCCAATGGACTGGCCAGCGTAAATGACC
CCACTGCAGCAGAAAACAACACACGAGGAGCATGCAGCGAATTCAGAAAGAGGTCTTTCAGAAGGAAA
CCGAAACTGACTTGTCTACCTGGAACACCTGATGGTGAACCAAACAAATACAAAATCCTTCTCCAGAC
CCCAGAACTAGAAACCCCGGCCATCCCACTAGCAGCTTTGGCCTCCATATTGCTCTCATTTCAGCAG
ATCTGCTTTTCTGCATGTTGTCTGTGTCTGCGTTGTGTGTGATTTTCATGGAAAAATAAATGCAA
ATGCACTCATCAAACTA
ACGCGTAAGCGGCCGCGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
```

Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_000350.3](#)



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Summary:

The membrane-associated protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intracellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the ABC1 subfamily. Members of the ABC1 subfamily comprise the only major ABC subfamily found exclusively in multicellular eukaryotes. This protein is a retina-specific ABC transporter with N-retinylidene-PE as a substrate. It is expressed exclusively in retina photoreceptor cells, and the gene product mediates transport of an essential molecule, all-trans-retinal aldehyde (atRAL), across the photoreceptor cell membrane. Mutations in this gene are found in patients diagnosed with Stargardt disease, a form of juvenile-onset macular degeneration. Mutations in this gene are also associated with retinitis pigmentosa-19, cone-rod dystrophy type 3, early-onset severe retinal dystrophy, fundus flavimaculatus, and macular degeneration age-related 2. [provided by RefSeq, Sep 2019]

Locus ID:

24

MW:

16.1