

## Product datasheet for **SC119474**

### ABCF1 (NM\_001090) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ABCF1 (NM_001090) Human Untagged Clone
Tag:	Tag Free
Symbol:	ABCF1
Synonyms:	ABC27; ABC50
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001090, the custom clone sequence may differ by one or more nucleotides

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ATGCCGAAGGCGCCCAAGCAGCAGCCGCCGAGCCCGAGTGGATCGGGGACGGAGAGCAGCAGGCCCAT
CAGACAAAGTGGTGAAGAAAGGGAAGAAGGACAAGAAGATCAAAAAACGTTCTTTGAAGAGCTGGCAGT
AGAAGATAAACAGGCTGGGGAAGAAGAAAGTCTCAAGGAGAAGGAGCAGCAGCAGCAACAGCAA
CAGCAGCAAAAAAAGCGAGATACCCGAAAAGGCAGGCGGAAGAAGGATGTGGATGATGATGGAGAAG
AGAAAGAGCTCATGGAGCGTCTTAAGAAGCTCTCAGTGCCAACCAAGTGTGAGGAGGATGAAGTACCCGC
CCCAAAACCCCGGAGGGAAGAAAACCAAGGGTGGTAATGTTTTGCAGCCCTGATTCAGGATCAGAGT
GAGGAAGAGGAGGAGGAAGAAAACATCCTCCTAAGCCTGCCAAGCCGGAGAAGAATCGGATCAATAAGG
CCGTATCTGAGGAACAGCAGCCTGCACTCAAGGGCAAAAAGGAAAGGAAGAAGTCAAAGGGAAAGGC
TAAGCCTCAAAATAAATTCGCTGCTCTGGACAATGAAGAGGAGGATAAAGAAGAAGAAATATAAAGGAA
AAGGAGCCTCCCAACAAGGGAAGGAGAAGGCCAAGAAGGCAGAGCAGATGGAGTATGAGCGCAAGTGG
CTTCATTAAGCAGCAATGCAGCTGAAAATGACTTCTCCGTGTCCAGGCGGAGATGTCTCCGCCA
AGCCATGTTAGAAAATGCATCTGACATCAAGCTGGAGAAGTTCAGCATCTCCGCTCATGGCAAGGAGCTG
TTCGTCATGCAGACCTGTACATTGTAGCCGGCCGCCCTACGGGCTGGTAGGACCAATGGCAAGGGCA
AGACCACACTCCTCAAGCACATTGCCAACCGAGCCCTGAGCATCCCTCCCAACATTGATGTGTTGCTGTG
TGAGCAGGAGGTGGTAGCAGATGAGACACCAGCAGTCCAGGCTGTTCTTCGAGCTGACACCAAGCGATTG
AAGCTGCTGGAAGAGGAGCGGCGCTTCAGGGACAGCTGGAACAAGGGGATGACACAGCTGCTGAGAGGC
TAGAGAAGGTGTATGAGGAATTGCGGGCCACTGGGGCGGACGTCAGAGGCCAAAGCACGGCGGATCCT
GGCTGGCCTGGGCTTTGACCCGAAATGCAGAAATCGACCCACACAGAAGTCTCAGGGGGCTGGCGCATG
CGTGTCTCCCTGGCCAGGGCACTGTTTCATGGAGCCCACTGCTGATGCTGGATGAGCCCACCAACCACC
TGGACCTCAACGCTGTCTGCTTAAATAACTACCTCCAGGGCTGGCGGAAGACCTTGCTGATCGTCTC
CCATGACCAGGGCTTCTTGATGATGTCTGCACTGATATCATCCACCTCGATGCCAGCGGCTCCACTAC
TATAGGGGCAATTACATGACCTTCAAAAAGATGTACCAGCAGAAGCAGAAAGAACTGCTGAAACAGTATG
AGAAGCAAGAGAAAAAGCTGAAGGAGCTGAAGGCAGGCGGGAAGTCCACCAAGCAGGCGGAAAAACAAAC
GAAGGAAGCCCTGACTCGGAAGCAGCAGAAATGCCGACGAAAAACCAAGATGAGGAATCCAGGAGGCC
CCTGAGCTCCTGAAGCGCCCTAAGGAGTACACTGTGCGCTTCACTTTTCCAGACCCCCACCCTCAGCC
CTCCAGTGTGGTCTGCATGGTGTGACATTGGCTACCAGGGACAGAAACCACTCTTAAGAAGTGGATG
TTTTGGCATCGACATGGATTCAAGGATTTGCATTTGTGGCCCTAATGGTGTGGGAAGAGTACGCTACTC
CTGCTGCTGACTGGCAAGCTGACACCGACCCATGGGGAAATGAGAAAGAACCACCGGCTGAAAATTGGCT
TCTTCAACCAGCAGTATGCAGAGCAGCTGCGCATGGAGGAGACGCCCCTGAGTACCTGCAGCGGGGCTT
CAACCTGCCCTACCAGGATGCCCGCAAGTGCCTGGGCGCTTCGGCTGGAGAGTACGCCCACACCATC
CAGATCTGCAAACTCTCTGGTGGTCCAGAAGGCGCGAGTTGTGTTGCTGAGCTGGCCTGTGCGGAACCTG
ATGTCCTCATCTTGACGAGCCAACCAATAACCTGGACATAGAGTCTATTGATGCTCTAGGGGAGGCCAT
CAATGAATAACAAGGTGCTGTGATCGTTGTCAGCCATGATGCCCGACTCATCACAGAAACCAATTGCCAG
CTGTGGGTGGTGGAGGAGCAGAGTGTAGCCAAATCGATGGTGACTTTGAAGACTACAAGCGGGAGGTGT
TGGAGGCCCTGGTGAAGTCATGGTCAGCCGGCCCCGAGAGTGA
```

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_001090 unedited  
 GATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCGCCACAGTAG  
 CTGTAACCTGCCACCGCATGCCGAAGGCGCCCAAGCAGCAGCCGCGGAGCCCGAGTGG  
 TCGGGGACGGAGAGACGACGAGCCATCAGACAAAGTGGTGAAGAAAGGGAAGGACA  
 AGAAGATCAAAAAACGTTCTTTGAAGAGCTGGCAGTAGAAGATAAACAGGCTGGGAAG  
 AAGAGAAAGTGTCAAGGAGAAGGAGCAGCAGCAGCAACAGCAACAGCAGCAAAAA  
 AAAAGCGAGATACCCGAAAAGGCAGGCGGAAGAAGGATGTGGATGATGATGGAGAAGAG  
 AAGAGCTCATGGAGCGTCTTAAGAAGCTCTCAGTGCCAACCAAGTATGAGGAGGATGAAG  
 TACCCGCCCAAAACCCCGCGGAGGGAAGAAAACCAAGGGTGGTAAATGTTTTTGCAGCC  
 TGATTCAGGATCANAGTGAGGAAGAGGAGGAGGAAGAAAAACATCCTCCTAAGCCTGCCA  
 AGCCGGAGAAGAATCGGATCAATAAGGCCGTATCTGAGGAACAGCAGCCTGCACTCAAGG  
 GCAAAAAGGGAAGGAAGAGAAGTCAAAAGGGAAGGCTAAGCCTCAAAATAAATTCGCTG  
 CTCTGGACAATGAAGAGGAGGATAAAGAAGAAGAAATTATAAAGGAGAAGGGAGCCTCCC  
 AAACAAGGGAAGGAGAAAGCCAAGAAAGCAGAAGCAGGTTTCANAGGAAGAANGGAGAG  
 GGGGAAAAANAAGGAGGAGAANGGAGGAGAGTCTAAGGCANAATGATCCCTATGGCTCA  
 TCTTANCAAAAAGGAGAAGAANAAGCTGGAACAGATGGATTATGAGCGCCAAG

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_001090 unedited  
 GCGGCCCGCAATCTAGNATCGAGTTTTTTTTTTTTTTTTTTTTTTTGGCAGCAACTCCTTTCCTT  
 TATTTCTTCCCCTGTAAAGGGAATTCAAGTTCAGCAGCATTCTTTCCTGCCCAAGT  
 CCTCAACCAGACAAGAGGCTGCAGGCACCAATCTTGGGCTGGATAATGGCAAAGGCCTC  
 AGAAGCTCACCTCCAGCTCTGAGCTTCAACAGCTGTTTGTACCAGTGAGTCAGCATTAA  
 TCACCAGAAAAGAACAGCACCACCAAGACTGGGGGGCAGCTGGGCCTGAAGCTGTAG  
 GGTAAATCAAAGGCAGGCTTCTGAGTGATGAGAGTCTGAGACAATAGGCCACATAAACT  
 TGGCTGGATGGAACCTCACATAAGGTGGTCACCTCTTGTGTTTAGGGGGATGCCAAG  
 GATAAGGCCAGCTCAGTTATATGAAGAGAAGCAGAACAACAAGTCTTTCAGAGAATGG  
 ATGCAATCAGAGTGGGATCCCGTCCACATCAAGGTCACACTCCACCTTATGTGCCTGAA  
 TGGTTGCCAGGTCAGCTGCAGGCCANAGGCAGTCTTTCAGAGGAGGGGAGACCACAGAGGA  
 CTTCTAGGCCCAAAAATATGCTCTCGGGAGACTTCTGGGAAGGAAAGCTTCACTCTCG  
 GGGCCGGCTGACCCTGACTTCCCCAAGGCCTNCAACACCTNCCGCTTGGAGCCTCAAAG  
 CCCCCTCGATTTGGTAACCTCTGTTCCCCCACCAAACTGCAATTGGGTTCTGGAATA  
 ACCCGGCCTTATGGCTGCAACCATCACACACCCTTGTATCTTTGAGGCCCCCTACACCT  
 CAAAACCCCTTCTCCAGCTACGGGTGCGCTCCCCAAAAGAGAGCCAGTCCCCCAAGG  
 CACCTTCAACAACAACCTTCCCCCTTGACCACCAACACGTCGCCAAA

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_001090

**Insert Size:**

3270 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).

**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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001090.2</a> , <a href="#">NP_001081.1</a>
<b>RefSeq Size:</b>	3360 bp
<b>RefSeq ORF:</b>	2424 bp
<b>Locus ID:</b>	23
<b>UniProt ID:</b>	<a href="#">Q8NE71</a>
<b>Cytogenetics:</b>	6p21.33
<b>Domains:</b>	ABC_tran, AAA
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	<p>The 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 intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the GCN20 subfamily. Unlike other members of the superfamily, this protein lacks the transmembrane domains which are characteristic of most ABC transporters. This protein may be regulated by tumor necrosis factor-alpha and play a role in enhancement of protein synthesis and the inflammation process. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon, compared to variant 1. The resulting protein (isoform b) is shorter than isoform a.</p>