

## Product datasheet for **SC320248**

### **ABCF2 (NM\_007189) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	ABCF2 (NM_007189) Human Untagged Clone
Tag:	Tag Free
Symbol:	ABCF2
Synonyms:	ABC28; EST133090; HUSSY-18; HUSSY18
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_007189.1  
 CCTCGTCCGCTCTGTTGCGACATAGGCCGAGCAGCGAGGCCAGCTCCCTGAAACAACA  
 GTAACCTACCCCTGTGGGTATCATCATGCCCTCCGACCTGGCCAAGAAGAAGGCAGCCA  
 AAAAGAAGGAGGCTGCCAAAGCTCGACAGCGGCCAGAAAAGGACATGAAGAAAATGGAG  
 ATGTTGTACAGAACCACAGGTGGCAGAGAAGAATGAGGCCAATGGCAGAGAGACCACAG  
 AAGTAGATTTGCTGACCAAGGAGCTAGAGGACTTTGAGATGAAGAAAAGCTGCTGCTCGAG  
 CTGTCACTGGCGTCTGGCCTCTACCCCAACAGTACTGATGTTACATCATCAACCTCT  
 CACTCACCTTTTCATGGTCAAGAGCTGCTCAGTGACACCAAAGTGAATTAACCTCAGGCC  
 GTCGTTATGGCCTCATTGGTTTAAATGGAATTGAAAAGTCCATGCTGCTCTCTGCTATTG  
 GGAAGCGTGAAGTGCCCATCCCTGAGCACATCGACATCTACCATCTGACTCGAGAGATGC  
 CCCCTAGTGACAAGACACCCTTGCATTGTGTGATGGAAGTCGACACAGAGCGGGCCATGC  
 TGGAGAAAAGAGGCAGAGCGGCTGGCTCATGAGGATGCGGAGTGTGAGAAGCTCATGGAGC  
 TCTACGAGCGCTGGAGGAGCTGGATGCCGACAAGGCAGAGATGAGGGCCTCGCGGATCT  
 TGCATGGACTGGGTTTACACCTGCCATGCAGCGCAAGAAGCTAAAAGACTTCAGTGGGG  
 GCTGGAGGATGAGGGTTGCCCTTCCAGAGCCCTTTTATTCGGCCCTTCATGCTGCTCC  
 TGGATGAGCCTACCAACCACCTGGACCTAGATGCTTGCCTGTGGTTGGAAGAAGAACTAA  
 AAACCTTTAAGCGCATCTTGGTCTCGTCTCCATTCCAGGATTTTCTGAATGGTGTCT  
 GTACCAATATCATTACATGCACAACAAGAACTGAAGTATTATACGGGTAATTATGATC  
 AGTATGTGAAGACCGCGCTAGAGCTGGAGGAGAACCAGATGAAGAGGTTTCACTGGGAGC  
 AAGATCAGATTGCACACATGAAGAACTACATTGCGAGGTTTGGTCATGGCAGTGCCAAGC  
 TGGCCCGCAGGCCAGAGCAAGGAGAAGACGCTACAGAAAATGATGGCATCAGGACTGA  
 CAGAGAGGGTCTGAGCGATAAGACACTGTCATTTTATTTCCACCATGTGGCAAGATCC  
 CTCCACCTGTATTATGGTGAAAATGTGAGCTTCAAGTATACAAAAGATGGGCCTTGCA  
 TCTACAATAATCTAGAATTTGGAATTGACCTTGACACACAGAGTGGCTCTGGTAGGCCCA  
 ATGGAGCAGGGAAGTCAACTCTTCTGAAGCTGCTAACTGGAGAGCTACTACCCACAGATG  
 GCATGATCCGAAAACACTCTCATGTCAAGATAGGGCGTTACCATCAGCATTTACAAGAGC  
 AGCTGGACTTAGATCTCTCACCTTTGGAGTACATGATGAAGTGCTACCCAGAGATCAAGG  
 AGAAGGAAGAAATGAGGAAGATCATTGGGCGATACGGTCTCACTGGGAAACAACAGGTGA  
 GCCCAATCCGGAACCTGTGACACGGGCAGAAAGTCCGAGTGTGTCTGGCCTGGCTGGCCT  
 GGCAGAACCCCATGCTCTTCTGGATGAACCCACCAATCACCTGGATATCGAGACCA  
 TCGACGCCCTGGCAGATGCCATCAATGAGTTTGGGGTGGTATGATGCTGGTCAGCCATG  
 ACTTCAGACTCATTACAGCAGTTGCACAGGAAATTTGGGTCTGTGAGAAGCAGACAATCA  
 CCAAGTGGCCTGGAGACATCCTGGCTTACAAGGAGCACCTCAAGTCCAAGCTGGTGGATG  
 AGGAGCCCCAGCTCACCAAGAGGACCCACAACGTGTGAGCCCTCTACCTGGGTTCCGGTC  
 AGGAGCTCCATCTGGGAACTAACAGCTGCTAACCTGACCAGCCGCTCAGGACAGGACCCT  
 GGGGCTACACTCCTGCATTGCTGCAATACTGCTCCCCAGCCTCTCCCCTGCCCTCAAC  
 CTGCCTTAGCTGCACTCTTACCTACAGCTGGACAGTACCTGTCTGTTTCTGTCTCTCC  
 TTACCTTACTCTGAGTGTGATGCAGTCAGAGGCACCTGCGGGTTAGCCCAGGGGCCAAG  
 CCCTGGATTTGGCCTGCGGAGGAGCTTAGGATCCTCGTTTTCTGGGTTTTGGTGATGTTG  
 GAGGAGTACCCCCAGCCACCGCCCGATTCTTTTTGCTTCTGGTTTGGAGCTCCGGA  
 CCAGGACCTTCGTCTGGTCAGTTTTTAAATAATTATTTAGCAGTGTAACTTTTAAACCT  
 GCGTGACATCTACAAAGCGCCCAATAAAGAAAGAGGAAGCCACGGTCCCTAAAAA  
 AAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_007189

<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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>	<u><a href="#">NM_007189.1</a></u> , <u><a href="#">NP_009120.1</a></u>
<b>RefSeq Size:</b>	3552 bp
<b>RefSeq ORF:</b>	1872 bp
<b>Locus ID:</b>	10061
<b>UniProt ID:</b>	<u><a href="#">Q9UG63</a></u>
<b>Cytogenetics:</b>	7q36.1
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	This gene encodes a member of the ATP-binding cassette (ABC) transporter superfamily. ATP-binding cassette proteins transport various molecules across extra- and intracellular membranes. Alterations in this gene may be involved in cancer progression. Related pseudogenes have been identified on chromosomes 3 and 7. [provided by RefSeq, Mar 2019] Transcript Variant: This variant (1) represents the longer transcript variant but encodes the shorter isoform (a).