

Product datasheet for **RG200323**

ABCF2 (NM_007189) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ABCF2 (NM_007189) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ABCF2
Synonyms:	ABC28; EST133090; HUSSY-18; HUSSY18
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG200323 representing NM_007189
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCCTCCGACCTGGCCAAGAAGAAGGAGCCAAAAAGAAGGAGGCTGCCAAAGCTCGACAGCGGCCCA
 GAAAAGGACATGAAGAAAATGGAGATGTTGTACAGAACCACAGGTGGCAGAGAAGAAATGAGGCCAATGG
 CAGAGAGACCACAGAAGTAGATTGCTGACCAAGGAGCTAGAGGACTTTGAGATGAAGAAAAGCTGCTGCT
 CGAGCTGTCACTGGCGTCCTGGCCTCTACCCCAACAGTACTGATGTTACATCATCAACCTCTCACTCA
 CCTTTCATGGTCAAGAGCTGCTCAGTGACACCAAACTGGAATTAAGTACAGGCCGTCGTTATGGCCTCAT
 TGGTTTAAATGGAATGGAAAGTCCATGCTGCTCTGCTATTGGGAAGCGTGAAGTGCCCATCCCTGAG
 CACATCGACATCTACCATCTGACTCGAGAGATGCCCCCTAGTGACAAGACACCCTTGCAATGTGTGATGG
 AAGTCGACACAGAGCGGCCCATGCTGGAGAAAGAGGCAGAGCGGCTGGCTCATGAGGATGCGGAGTGTGA
 GAAGCTCATGGAGCTCTACGAGCGCCTGGAGGAGCTGGATGCCGACAAGGCAGAGATGAGGGCCTCGCGG
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 GGATGAGGGTTGCCCTTGCCAGAGCCCTCTTTATTCGGCCCTTCATGCTGCTCCTGGATGAGCCTACCA
 CCACCTGGACCTAGATGCTTGCCTGTGGTTGGAAGAAGAACTAAAACTTTTAAGCGCATCTTGGTCCTC
 GTCTCCCATTCAGGATTTTCTGAATGGTGTCTGTACCAATATCATTACATGCACAACAAGAACTGA
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 GTTTCCTGGGAGCAAGATCAGATTGCACACATGAAGAACTACATTGCGAGGTTTGGTCATGGCAGTGCC
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 GCATTTACAAGAGCAGCTGGACTTAGATCTCTCACCTTTGGAGTACATGATGAAGTGCTACCCAGAGATC
 AAGGAGAAGGAAGAAATGAGGAAGATCATTGGGCGATACGGTCTCACTGGGAAACAACAGGTGAGCCCAA
 TCCGGAATTGTGACAGGGCAGAAAGTCCGAGTGTGTCTGGCCTGGCTGGCCTGGCAGAACCCCCACAT
 GCTCTTCTGGATGAACCCACCAATCACCTGGATATCGAGACCATCGACGCCCTGGCAGATGCCATCAAT
 GAGTTTGAGGGTGGTATGATGCTGGTCAGCCATGACTTCAGACTATTGACGAGTTGCACAGGAAATTT
 GGGTCTGTGAGAAGCAGACAATACCAAGTGGCCTGGAGACATCCTGGCTTACAAGGAGCACCTCAAGTC
 CAAGCTGGTGGATGAGGAGCCCCAGCTACCAAGAGGACCCACAACGTG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

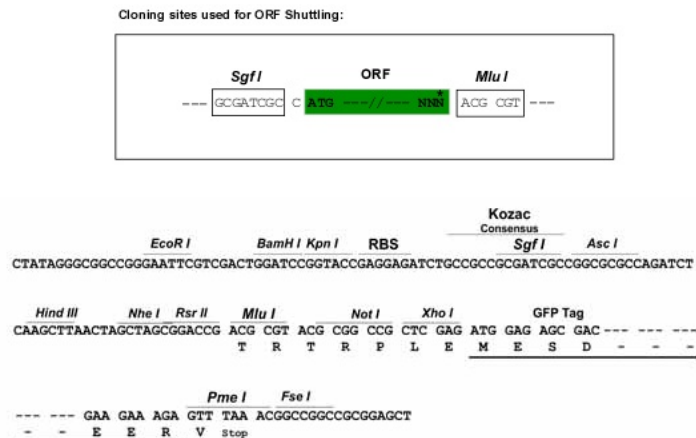
>RG200323 representing NM_007189
 Red=Cloning site Green=Tags(s)

MPSDLAKKKAARKKEAAKARQRPKGHEENGDVVTEPQVAEKNEANGRETTEVDLLTKELEDFEMKAAA
 RAVTGVLAHPNSTDVHIINLSLTFHQELLSDTKLELNSGRRYGLIGLNGIGKSMLLSAIGKREVP
 HIDIYHLTREMPSPDKTPLHCVMEVDTERAMLEKEAERLAHEDAECEKLMELYERLEELDADKAEMRASR
 ILHGLGFTPMQRKKLKDFSGGWRMRVALARALFIRPFMLLLDEPTNHLDLDACVWLEELKTFKRILVL
 VSHSQDFLNGVCTNIIMHNNKKLYYTGNVDQYVKTRLELEENQMKRFHWEQDQIAHMKNYIARFGHSA
 KLARQAQSKEKTLQKMMASGLTERVVSDKTLSTFYFPPCGKIPPPVIMQNVSFKYTKDGPCYNNLEFGI
 DLDTRVALVGPNGAGKSTLLKLLTGELLPTDGMIRKHSVKIGRYHQHLQEQLDLDSLPLEYMMKCYPEI
 KEKEEMRKIIGRYGLTGKQQVSPIRNLSGQKCRVCLAWLAWQNPMLFLDEPTNHLDIETIDALADAIN
 EFEGGMLLVSHDFRLIQVAQEIIWVCEKQITIKWPGDILAYKEHLKSKLVDEEPQLTKRTHNV

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_007189

ORF Size: 1869 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_007189.1](#), [NP_009120.1](#)

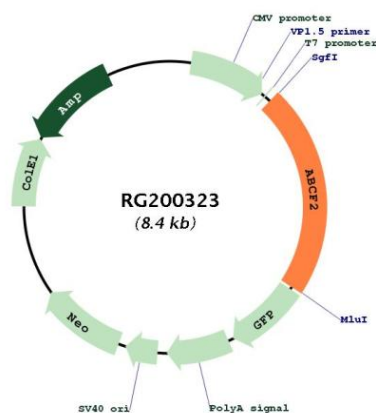
RefSeq Size: 3552 bp

RefSeq ORF: 1872 bp

Locus ID: 10061

UniProt ID:	<u>Q9UG63</u>
Cytogenetics:	7q36.1
Protein Families:	Druggable Genome
Gene Summary:	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]

Product images:



Circular map for RG200323