

## Product datasheet for **RG223045**

### **ABCF2-H2BE1 (NM\_005692) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	ABCF2-H2BE1 (NM_005692) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ABCF2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG223045 representing NM\_005692  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCCTCGACCTGGCCAAGAAGAAGGCAGCCAAAAAGAAGGAGGCTGCCAAAGCTCGACAGCGGCCA  
 GAAAAGGACATGAAGAAAATGGAGATGTTGTACAGAACCACAGGTGGCAGAGAAGAATGAGGCCAATGG  
 CAGAGAGACCACAGAAGTAGATTGCTGACCAAGGAGCTAGAGGACTTTGAGATGAAGAAAAGCTGCTGCT  
 CGAGCTGTCACTGGCGTCTGGCCTCTACCCCAACAGTACTGATGTTACATCATCAACCTCTCACTTA  
 CCTTTTCATGGTCAAGAGCTGCTCAGTGACACCAAACTGGAATTAAGTCAAGGCGCTGTTATGGCCTCAT  
 TGGTTTAAATGGAATGGAAAGTCCATGCTGCTCTGCTATTGGGAAGCGTGAAGTGCCCATCCCTGAG  
 CACATCGACATCTACCATCTGACTCGAGAGATGCCCCCTAGTGACAAGACACCCTGCATTGTGTGATGG  
 AAGTCGACACAGAGCGGCCATGCTGGAGAAAGAGGCAGAGCGGCTGGCTCATGAGGATGCGGAGTGTGA  
 GAAGCTCATGGAGCTCTACGAGCGCCTGGAGGAGCTGGATGCCGACAAGGCAGAGATGAGGGCCTCGCGG  
 ATCTTGATGGACTGGGTTTACACCTGCCATGCAGCGCAAGAAGCTAAAAGACTTCAGTGGGGGCTGGA  
 GGATGAGGGTTGCCCTTGCCAGAGCCCTCTTTATTCGGCCCTTCATGCTGCTCCTGGATGAGCCTACCAA  
 CCACCTGGACCTAGATGCTTGCCTGTGGTTGGAAGAAGAACTAAAACTTTAAGCGCATCTTGGTCCTC  
 GTCTCCATTCCCAGGATTTTCTGAATGGTGTCTGTACCAATATCATTACATGCACAACAAGAACTGA  
 AGTATTACGGGTAATTATGATCAGTACGTGAAGACGCGGCTAGAGCTGGAGGAGAACCAGATGAAGAG  
 GTTTCCTGGGAGCAAGATCAGATTGCACACATGAAGAATACTTGGAGGTTTGGTTCATGGCAGTGCC  
 AAGCTGGCCCGCAGGCCAGAGCAAGGAGAAGACGCTACAGAAAATGATGGCATCAGGATCAGACAGAGA  
 GGGTCGTGAGCGATAAGACACTGCTATTTATTTCCACCATGTGGCAAGATCCCTCCACTGTCATTAT  
 GGTGCAAAAATGTGAGCTTCAAGTATACAAAAGATGGGCCTTGCATCTACAATAATCTAGAATTTGGAATT  
 GACCTTGACACACGAGTGGCTCTGGTAGGGCCCAATGGAGCAGGGAAGTCAACTCTTCTGAAGCTGCTAA  
 CTGGAGAGCTACTACCCACAGATGGCATGATCCGAAAACACTCTCATGTCAAGATAGGGCGTTACCATCA  
 GCATTTACAAGAGCAGCTGGACTTAGATCTCTCACCTTTGGAGTACATGATGAAGTGTACCCAGAGATC  
 AAGGAGAAGGAAGAAATGAGGAAGATCATTGGGCGATACGGTCTCACTGGGAAACAACAGGTGAGCCCAA  
 TCCGGAATTGTCAGACGGGCAGAAAGTCCGAGTGTGTCTGGCCTGGCTGGCCTGGCAGAACCCCCACAT  
 GCTCTTCTGGATGAACCCACCAATCACCTGGATATCGAGACCATCGACGCCCTGGCAGATGCCATCAAT  
 GAGTTTGAGGGTGGTATGATGCTGGTCAAGTACTTCAAGTACTTCAAGTACTTCAAGTACTTCAAGTACTT  
 GGGTCTGTGAGAAGCAGACAATACCAAGTGGCCTGGAGACATCCTGGCTTACAAGGAGCACCTCAAGTC  
 CAAGCTGGTGGATGAGGAGCCCCAGCTACCAAGAGGACCCACAACGTGTGCACCCTGACATTGGCATCT  
 CTGCCAAGGCCA

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>RG223045 representing NM\_005692  
 Red=Cloning site Green=Tags(s)

MPSDLAKKKAARKKEAAKARQPRKRGHEENDVVTPEQVAEKNEANGRETTEVDLLTKELEDFEMKAAA  
 RAVTGVLAHPNSTDVHIINLSLTFHGQELLSDTKLELNSGRRYGLIQLNGIGKSMLLSAIGKREVP  
 HIDIYHLTREMPPSDKTPHLCVMEVDTERAMLEKEAERLAHEDAECEKLMELYERLEELDADKAEMRASR  
 ILHGLGFTPAMQRKLLKDFSGGWRMRVALARALFIRPFMLLLDEPTNHLDLDACVWLEELKTFKRILVL  
 VSHSQDFLNGVCTNIIMHMKLLKYYTGNVDQYVKTRLELEENQMKRFHWEQDQIAHMKNYIARFGHSA  
 KLARQAQSKEKTLQKMMASGLTERVVSDKLSFYFPFCGKIPPPVIMVQNVSFKYTKDGPICYNLEFGI  
 DLDTRVALVGPNGAGKSTLLKLLTGELLPTDGMIRKHSVHKIGRYHQHLQEQLDLDSLPLEYMMKCYPEI  
 KEKEEMRKIIIGRYLTKGQVSPVIRNLSGQKCRVCLAWLAWQNPMLFLDEPTNHLDIETIDALADAIN  
 EFEGGMLVSHDFRLIQVAQEIWVCEKQITIKWPGDILAYKEHLKSKLVDEEPQLTKRTHNVCTLTLAS  
 LPRP

**TRTRPLE** – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



ACCN: NM\_005692

ORF Size: 1902 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.

RefSeq: [NM\\_005692.5](#)

RefSeq Size: 2262 bp

RefSeq ORF: 1905 bp

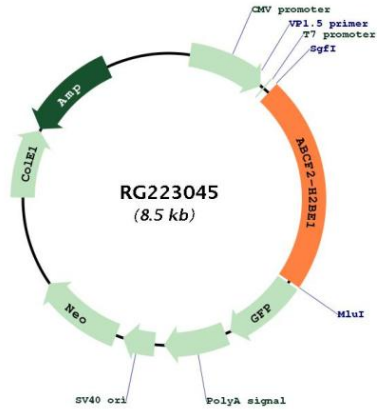
Locus ID: 114483834

UniProt ID: [Q9UG63](#)

Cytogenetics: 7q36.1

Domains: ABC\_tran, AAA

**Product images:**



Circular map for RG223045