

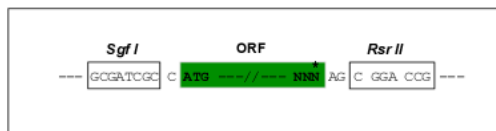
## Product datasheet for **RG215250**

### ARFBP1 (HUWE1) (NM\_031407) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ARFBP1 (HUWE1) (NM_031407) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ARFBP1
Synonyms:	ARF-BP1; HECTH9; HSPC272; Ib772; LASU1; MRXST; MULE; URE-B1; UREB1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
Restriction Sites:	Sgfl-RsrII
Cloning Scheme:	

Cloning sites used for ORF Shuttling:



EcoR I      BamH I Kpn I      RBS      Kozac Consensus      Sgf I      Asc I  
 CTATAGGCGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGATCGCCGCCGCCAGATCT

Hind III      Nhe I Rsr II      Mlu I      Not I      Xho I      GFP Tag  
 CAAGCTTAAGCTAGCTAGCGGACCG    ACG CGT    ACG CGG CCG    CTC GAG    ATG GAG AGC GAC    ---

---      GAA GAA AGA    GTT TAA    ACGGCCGGCCGGAGCT  
 -      E    E    R    V    Stop

ACCN:	NM_031407
ORF Size:	13122 bp



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**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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\\_031407.3](#), [NP\\_113584.3](#)

**RefSeq Size:** 13671 bp

**RefSeq ORF:** 13125 bp

**Locus ID:** 10075

**UniProt ID:** [Q7Z6Z7](#)

**Cytogenetics:** Xp11.22

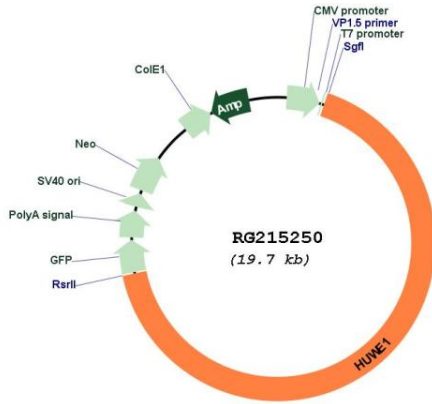
**Domains:** UBA, HECT, WWE

**Protein Families:** Druggable Genome

**Protein Pathways:** Ubiquitin mediated proteolysis

**Gene Summary:** This gene encodes a protein containing a C-terminal HECT (E6AP type E3 ubiquitin protein ligase) domain that functions as an E3 ubiquitin ligase. The encoded protein is required for the ubiquitination and subsequent degradation of the anti-apoptotic protein Mcl1 (myeloid cell leukemia sequence 1 (BCL2-related)). This protein also ubiquitinates the p53 tumor suppressor, core histones, and DNA polymerase beta. Mutations in this gene are associated with Turner type X-linked syndromic cognitive disability. [provided by RefSeq, Aug 2013]

Product images:



Circular map for RG215250