OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC223067

ANKHD1 (NM_017747) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANKHD1 (NM_017747) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ANKHD1
Synonyms:	MASK; MASK1; PP2500; VBARP
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC223067 representing NM_017747 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGCTGACTGATAGCGGAGGCGGCGGCACCTCCTTTGAGGAGGACCTGGACTCTGTGGCTCCGCGATCCG CCCCAGCTGGGGCCTCGGAGCCGCCTCCGCCGGGAGGGGTCGGTCTGGGGATCCGCACCGTGAGGCTCTT TGGGGAGGCCGGGCCAGCGTCGGGAGTCGGCAGCAGCGGCGGCGGCGGCAGCGGCAGCGGTACGGGCGGA GGGGACGCGGCGCTGGATTTCAAGTTGGCGGCTGCCGTGCTGAGGACCGGGGGTGGAGGTGGTGCCTCTG GCAGTGACGAGGACGAAGTGTCCGAGGTTGAATCATTTATTTTGGACCAAGAAGATCTGGATAACCCAGT GCTTAAAACAACATCAGAGATATTCTTATCAAGTACTGCAGAAGGAGCAGACTTACGCACTGTGGATCCA GAGACACAGGCACGACTAGAAGCATTGCTAGAAGCAGCAGGAATTGGCAAATTGTCAACTGCTGATGGTA AAGCTTTTGCAGATCCTGAGGTACTCCGGAGACTGACATCCTCAGTTAGTTGTGCACTGGATGAAGCTGC TGCTGCACTGACACGGATGAAAGCAGAAAACAGCCACAATGCAGGACAAGTGGACACTCGCAGTCTAGCA GAAGCTTGTTCAGATGGGGATGTTAATGCTGTTCGTAAATTGCTAGATGAAGGCAGAAGTGTAAATGAAC ATACAGAAGAAGGAGAAAGCCTGCTGTGTTTGGCTTGTTCAGCAGGGTATTATGAATTAGCACAAGTATT GCTTGCTATGCATGCTAATGTTGAAGATCGAGGGAATAAAGGAGACATAACTCCCCTGATGGCAGCTTCC AGTGGAGGTTACTTAGATATTGTGAAATTATTACTTCTTCATGATGCTGATGTCAACTCCCAGTCTGCAA CAGGAAACACTGCGCTAACTTATGCATGTGCTGGAGGATTTGTTGACATTGTTAAAGTGCTCCTTAATGA AGGTGCAAATATAGAAGATCATAATGAAAATGGACATACTCCCTTAATGGAAGCAGCCAGTGCAGGTCAT GTGGAAGTTGCAAGAGTTCTTTTAGATCATGGTGCAGGCATCAACACTCATTCTAATGAATTCAAAGAAA GTGCTCTAACACTTGCTTGCTACAAAGGCCATTTGGATATGGTTCGCTTTCTACTTGAAGCTGGTGCAGA TCAAGAGCACAAAACAGATGAGATGCACACTGCCTTAATGGAGGCCTGCATGGATGGACATGTAGAGGTG GCACGTTTGCTTTTGGATAGTGGTGCTCAAGTGAACATGCCTGCAGATTCATTTGAATCTCCATTGACGC TAGCTGCCTGTGGAGGACATGTTGAATTGGCAGCTCTACTTATTGAAAGGGGAGCAAATCTTGAAGAAGT TAATGATGAAGGATACACTCCCTTGATGGAAGCTGCCCGGGAAGGACATGAAGAAATGGTGGCACTACTC TTAGCACAAGGAGCAAATATAAATGCCCAGACAGAAGAAACTCAAGAAACTGCTCTTACTTTGGCTTGCT

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Protein Sequence:

>RC223067 representing NM_017747
Red=Cloning site Green=Tags(s)

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Restriction Sites: SgfI-MluI

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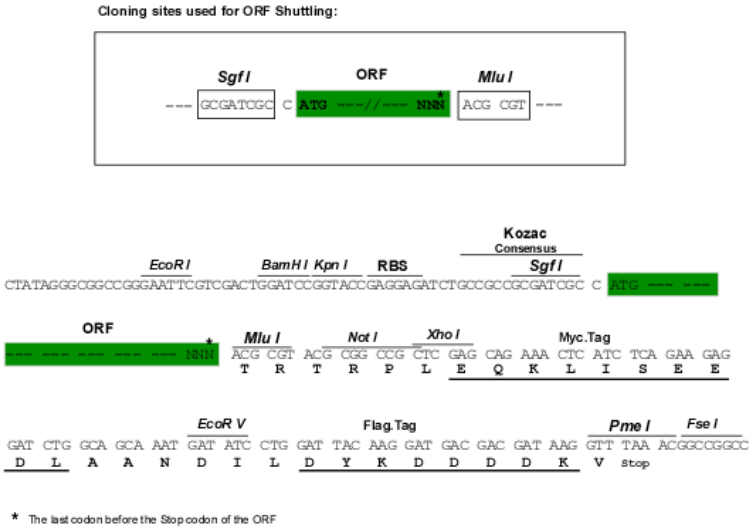
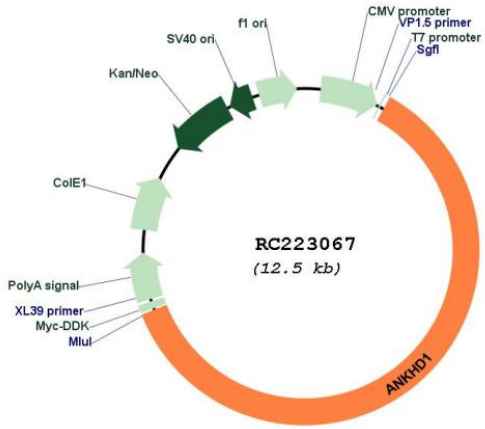
Cloning Scheme:



Plasmid Map:



ACCN: NM_017747

ORF Size: 7626 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

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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_017747.3
RefSeq Size:	8196 bp
RefSeq ORF:	7629 bp
Locus ID:	54882
UniProt ID:	Q8IWZ3
Cytogenetics:	5q31.3
MW:	269.3 kDa
Gene Summary:	This gene encodes a protein with multiple ankyrin repeat domains and a single KH-domain. The protein is thought to function as a scaffolding protein, and it may be involved in the regulation of caspases and thereby play an antiapoptotic role in cell survival. Alternative splicing results in multiple transcript variants, one of which generates a fusion transcript (MASK-BP3) with the downstream eIF4E-binding protein 3 (EIF4EBP3) gene, resulting in a protein comprised of the ANKHD1 sequence for the majority of the protein and a different C-terminus due to an alternate reading frame for the EIF4EBP3 segments. [provided by RefSeq, Sep 2010]

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