

Product datasheet for **RR215499**

Ubac2 (NM_001034937) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Ubac2 (NM_001034937) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Ubac2
 Synonyms: Phgdh1
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR215499 representing NM_001034937
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTACCAGCACCGGCTCCAGTGGGCTTTATAAGGCACCTCTGTGCAAGAGTCTTTTGTGGTCCCCA
 GTACCCGTCCCTTCTGCTGACACTCTTGCTGCCTCACTGTCAGAAGTTCTTCGTGTATGATCTCCACGC
 TGCAAGAACGACTTCCAGATTTGGAGGCTGATATGTGGAAGAATAATTTGCCTTGACCTGAAAGACGCT
 TTCTGTAGTGGTCTTCTCATTATAACTTCAGAATATTTGAAAGAAGATTCGGAAGCAGGAAGTTCCGAT
 CCTTCTTGTGGGTTCTGGGTCTGTGACGCTTGTGGTACTTTATCCTCGTGAAGCCGTGCGATATT
 GCTTGGTGTCACTGTGGCCAGTAATTTACCTTCTGGATTCTTGGCGCCGTGTTGCTCTCTTTGTGCCA
 TTTCACTGCTCCATCCCAAGAGTCCAGGTGGCGCAGATCTGGGCCCGTTGTCCATCACAAACAAGACAC
 TGATTTATATATTGGGACTACAGCTTTTACCTCTGGGTCCTACATCTGGATTGTAGCCATGAGTGGACT
 TATCTCCGGCATGTGCTATGACCGCAGAGTGCTCCAGGTCCACCAGGTGCTTGCATCCCTAGCAGGCTG
 GCCAGTTCTTCTCCTGGGCCCTGGAGCCCATCTTCTCATCTTCAGAACCACCAGCGAGGCCAGGGTTG
 GAATGGGAGCCACTGTGGATATCCAGAGGCAGCAGAGGATGGAGCAGCTAGACCGGCAGCTGATGCTCCT
 TCAGTTTGCACAGGTGCGGCGACAGAGGCAGCAGGAGGAATGATCAATTGGAATCGACTTTTCCCCC
 CCTTTACGTCAGCGACGAAATATCAACTATCAAGAAGGTCTCGTCTGAGCAGCGAGCACCTCCTCCCC
 TGGAAAGTTTCTGAAGAGCAGGTGCGCCGCTCATGGAGATGGGATTTTCCAGAGGGGACGCTTGGAGGC
 GCTGAGGGCCTCCAACAATGACCTCAATGTGGCCACCACTTCTGCTGCAGCAC

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR215499 representing NM_001034937
 Red=Cloning site Green=Tags(s)

MFTSTGSSGLYKAPLSKSLLLVPSTLSLLLTL LLPHCQKFFVYDLHAVKND FQIWRLICGRIICLDLKD A
 FCSGLLIYNFRIFERRFGSRKFASFLG SWVLSALFDFILVEAVQYLLGVTVASNLP SGFLAPVFALFVP
 FHCSIPRVQAQILGPLSITNKTLIYLGLQLFTSGSYIWIIVAMSGLISGMCYDRRVLQVHQVLCIPSRL
 AQFFSWALEPIFSSSEPTSEARVGMGATVDIQRQQRMEQLDRQLMLSQFAQVRRQRQQGGMINWNRLF P
 PLRQRRNINYQEGPRSEQRAPPPLEVSEEQVARLMEMGF SRGDALEALRASNNDLNVATNFL LQH

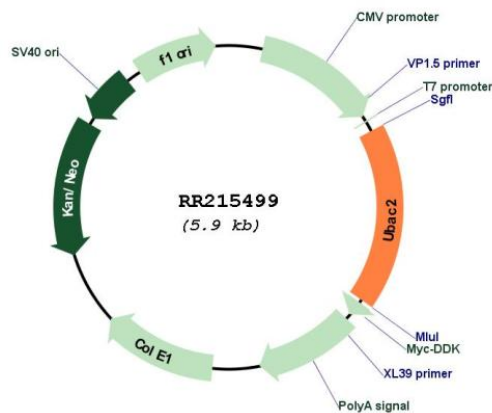
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001034937

ORF Size: 1035 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:	<ol style="list-style-type: none"> 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_001034937.2 , NP_001030109.2
RefSeq Size:	2079 bp
RefSeq ORF:	1038 bp
Locus ID:	361094
Cytogenetics:	15q25
MW:	39.1 kDa