

Product datasheet for **RC219973**

UBFD1 (NM_019116) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UBFD1 (NM_019116) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	UBFD1
Synonyms:	UBPH
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC219973 representing NM_019116 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCGCGCCGGGCCCGGATGGCATGGAGGAACCTGGCATGGACACGGAGGCCGAGACTGTGGCTA
CTGAGGCTCCCGCGCGGCCCGTCAACTGCCTGGAGGCTGAAGCCGCGCGGGGGCGCGGCCGAGGACTC
CGGCGCCGCACGAGGCAGCCTGCAGCCGGCCCCGGCCAGCCCCCTGGGACCCCGAGCCAGGCCTCG
GTCAGCAACGGCGAAGACGCGGGCGCGCGCGGGCAGGGAGCTGGTGGACTTGAAGATCATCTGGAATA
AGACCAAGCATGACGTGAAGTTCGCCCTGGACAGCACAGGCTCCGAGCTGAAACAGAAGATCCACTCGAT
TACAGGCTCTCCCGCCTGCCATGCAGAAAGTCATGTATAAGGGACTCGTCCCGAGGATAAAACATTGAGA
GAAATAAAAGTGACCAAGTGGGGCCAAGATCATGGTGGTTGGCTCCACCATCAATGATGTTTTAGCAGTAA
ACACACCCAAAGATGCTGCGCAGCAGGATGCAAAGGCCGAAGAGAACAAGAAGGAGCCTCTCTGCAGGCA
GAAACAACACAGGAAAGTGTGGATAAAGGAAAACCTGAAGATGTGATGCCATCTGTTAAGGGGGCCAG
GAGCGCTGCCAACGGTACCGCTGTCCGGCATGTACAATAATCTGGAGGAAAAGTGAGACTCACCTTTA
AACTAGAACAAGACCAGCTGTGGATTGGCACTAAAGAGCGGACTGAGAAATTGCCATGGGCTCCATAAA
AAATGTGGTCAGTGAACCTATCGAAGGACATGAAGACTACCACATGATGGCGTTTCAGTTGGGCCCCACG
GAAGCCTCTTACTACTGGGTGTACTGGGTTCCAACCTCAATATGTGGATGCAATCAAAGACTGTGCTGG
GGAAATGGCAGTATTTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC219973 representing NM_019116
Red=Cloning site Green=Tags(s)

MAAAGAPDGMEEPMDTEAETVATEAPARPVNACLEAEEAAAGAAEDSGAARGSLQPAPAQPPGDPAAQAS
 VSNGEDAGGGAGRELVDLKI IWNKTKHDVKFPLDSTGSELKQKIHSITGLPPAMQKVMYKGLVPEDKTLR
 EIKVTSGAKIMVVGSTINDVLAVNTPKDAAQDAAEAENKKEPLCRQKQHRKVLDKGKPEDVMPSVKGAQ
 ERLPTVPLSGMYNKSGGKVRLTFKLEQDQLWIGTKERTEKLPMGSIKNVVSEPIEGHEDYHMMAFQLGPT
 EASYYYWVYVPTQYVDAIKDITVLGKWQYF

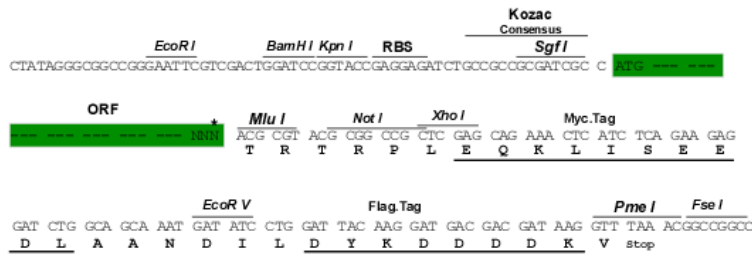
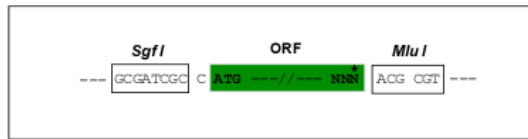
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8020_d08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_019116

ORF Size: 927 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_019116.3](#)

RefSeq Size: 4931 bp

RefSeq ORF: 930 bp

Locus ID: 56061

UniProt ID: [O14562](#)

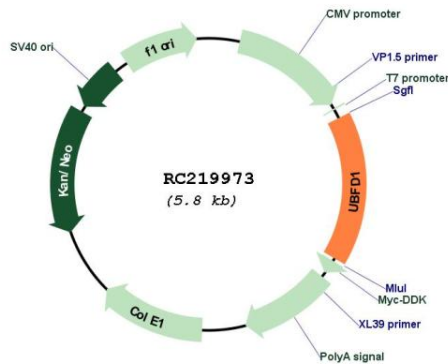
Cytogenetics: 16p12.2

Protein Families: Druggable Genome

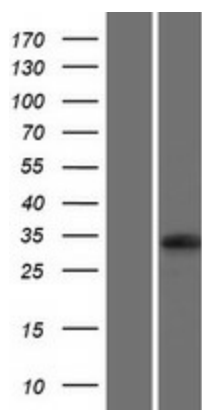
MW: 33.2 kDa

Gene Summary: May play a role as NF-kappa-B regulator.[UniProtKB/Swiss-Prot Function]

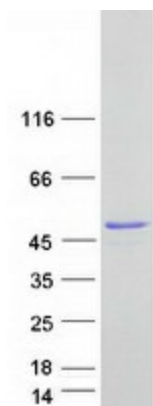
Product images:



Circular map for RC219973



Western blot validation of overexpression lysate (Cat# [LY412742]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC219973 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified UBFD1 protein (Cat# [TP319973]). The protein was produced from HEK293T cells transfected with UBFD1 cDNA clone (Cat# RC219973) using MegaTran 2.0 (Cat# [TT210002]).