

Product datasheet for **RC207650**

UBXD2 (UBXN4) (NM_014607) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	UBXD2
Synonyms:	erasin; UBXD2; UBXDC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >RC207650 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAACTACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCTGTGGTTCCAGGGCGCCATTCGGCCGCCATCGCGACGGCCAAAAGGAGCGCGCGTCTTCGTGG
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 ATCTATCCTGTAGTGTGTGTTCCATCCAGTTTCTTTATTGGAGACAGTGGAAATCCCTTGGAAAGTAATAG
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 GATGATGGTGAAGATGAAAACAACACTTGAATGGAATTCACCTCAACAGATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
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Protein Sequence: >RC207650 protein sequence
 Red=Cloning site Green=Tags(s)

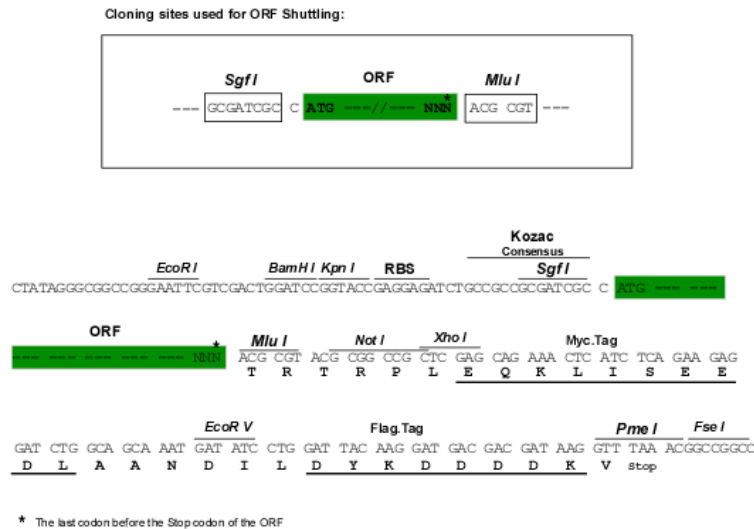
MLWFQGAIPAAIATAKRSGAVFVVFVAGDDEQSTQMAASWEDDKVTEASSNSFVAIKIDTKSEACLQFSQ
 IYPVVCVPSSFFIGDSGIPLEVIAGSVSADELVTRIHKVRQMHLKSETSVANGSQSESSVSTPSASFEP
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 EEKRKEEQREIKKEIERRKTGKEMLDYKRKQEEELTKRMLEERNREKAEDRAARERIKQQIALDRAERA
 ARFAKTKEEVEAKAAALLAKQAEMEVKRESYARERSTVARIQFRLPDGSSFTNQFPSPADPLEEARQFAA
 QTVGNTYGNFSLATMFPRREFTKEDYKKLLDLELAPSASVLLPAGRPTASIVHSSSGDIWTLTGTVLY
 PFLAIWRLISNLFSPNPPTQTSVRVTSSEPPNPASSSKSEKREPVRKRVLEKRGDDFKKEGKIYRLRTQ
 DDGEDENNTWNGNSTQQM

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6215_h01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_014607

ORF Size: 1524 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:

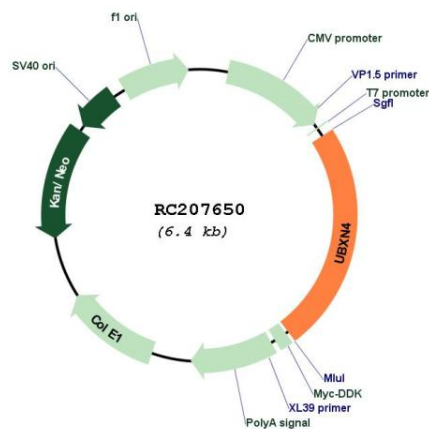
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_014607.4](#)

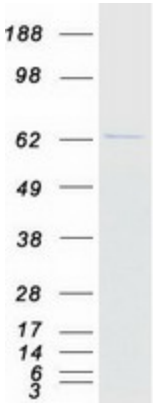
RefSeq Size:	4018 bp
RefSeq ORF:	1527 bp
Locus ID:	23190
UniProt ID:	Q92575
Cytogenetics:	2q21.3
Domains:	UBX
Protein Families:	Transcription Factors
MW:	56.8 kDa
Gene Summary:	UBXD2 is an integral membrane protein of the endoplasmic reticulum (ER) that binds valosin-containing protein (VCP; MIM 601023) and promotes ER-associated protein degradation (ERAD) (Liang et al., 2006 [PubMed 16968747]).[supplied by OMIM, Mar 2008]

Product images:



Circular map for RC207650

Western validation with an anti-DDK antibody
 * L: Control HEK293 lysate R: Over-expression lysate



Coomassie blue staining of purified UBXN4 protein (Cat# [TP307650]). The protein was produced from HEK293T cells transfected with UBXN4 cDNA clone (Cat# RC207650) using MegaTran 2.0 (Cat# [TT210002]).