

Product datasheet for RC224120

UBR2 (NM_015255) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UBR2 (NM_015255) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	UBR2
Synonyms:	bA49A4.1; C6orf133; dj242G1.1; dj392M17.3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC224120 representing NM_015255 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGTCGGAGCTAGAGCCAGAGGTGCAGGCCATCGACCGGAGTTTGCTGGAATGTTGGCCGAGGAGA
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CAAATCTACTGCAGGGGTCCCAACCCTTTTCCACAGAAAGAAGACATGCTGGCACAGCATGTTTTGTTG
GGACCAATGGAATGGTACCTTTGTGGTGAAGATCCTGCATTTGGATTTCCAAAACCTTGAGCAAGCAAACA
AACCTTCTCATCTTTGTGGTCGTGTTTTAAAGTAGGAGAGCCTACATATCTTGCAGAGACTGTGCAGT
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GAATGGTCAGATGAGCTGAGGCAGAAGTTCCTAGAAAGGTTTGTATGCCTTTTTGGAATTACTAAAATGTA
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CCGACCAGGGACTCAGACGGGAAATCCTTTACATTTATGCAAAGAGCGATTCAAGAAGATTCAGAAGCT
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GACTGGCAACATTTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
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Protein Sequence:

>RC224120 representing NM_015255
Red=Cloning site Green=Tags(s)

MASELEPEVQAIDRSLLCESAEEIAGKWLQATDLTREVVQHLAHYVPKIYCRGNPFPQKEDMLAQHVLL
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EQAKSVIVRNTSRQTKPLKVQVMHSSIVAHQNFGLKLLSWLGSIIIGYSDGLRRILCQVGLQEGPDGENSS
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SHEELPCILDIDMFHLLVGLVLAFPALQCQDFSGISLGTGDLHIFHLVTMAHIIQILLTSCTEENGMDQE
NPPCEEEASVLAALYKTLHQYTGSAKLEIPSGWHLWRSVRAGIMPFLKCSALFFHYLNGVPSPPDIQVPGT
SHFEHLCSYLSLNNLICLFQENSEIMNSLIESWCRNSEVKRYLEGERDAIRYPRESNKLINLPEDYSSL
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VLFFLAGTKGCFYSPPYLDDYGETDQGLRRGNPLHLCKERFKKIQKLWHQHSVTEEIGHAQEANQTLVGI
DWQHL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8044_c08.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_015255

ORF Size: 5265 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_015255.1](#), [NP_056070.1](#)

RefSeq Size: 5268 bp

RefSeq ORF: 5268 bp

Locus ID: 23304

UniProt ID: [Q8I WV8](#)

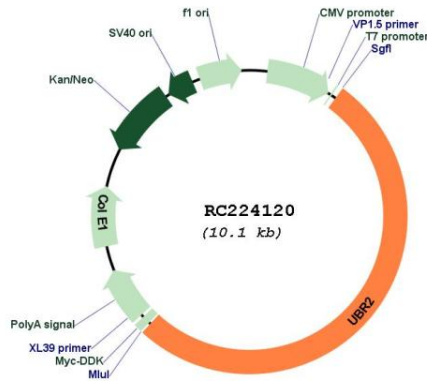
Cytogenetics: 6p21.1

Protein Families: Druggable Genome

MW: 200.4 kDa

Gene Summary: This gene encodes an E3 ubiquitin ligase of the N-end rule proteolytic pathway that targets proteins with destabilizing N-terminal residues for polyubiquitylation and proteasome-mediated degradation. Alternative splicing results in multiple transcript variants.[provided by RefSeq, May 2010]

Product images:



Circular map for RC224120