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Product datasheet for SC309224

UBR1 (NM_174916) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UBR1 (NM_174916) Human Untagged Clone
Tag:	Tag Free
Symbol:	UBR1
Synonyms:	JBS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>SC309224 representing NM_174916.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGGACGAGGAGGCTGGAGGTACTGAGAGGATGGAAATCAGCGCGGAGTTACCCCAGACCCCTCAG
CGTCTGGCATCTTGGTGGGATCAGCAAGTTGATTTTTATACTGCTTTCTTGCATCATTTGGCACAATTG
GTGCCAGAAATTTACTTTGCTGAAATGGACCCAGACTTGGAAAAGCAGGAGGAAAGTGTACAAATGTCA
ATATTCACTCCACTGGAATGGTACTTATTTGGAGAAGATCCAGATATTTGCTTAGAGAAATTGAAGCAC
AGTGGAGCATTTCAGCTTTGTGGGAGGGTTTTCAAAAGTGGAGAGACAACCTATTCTTGCAGGGATTGT
GCAATTGATCCAACATGTGTACTCTGTATGGACTGCTTCCAGGACAGTGTTCATAAAAATCATCGTTAC
AAGATGCATACTTCTACTGGAGGAGGGTTCTGTGACTGTGGAGACACAGAGGCATGGAAAACTGGCCCT
TTTTGTGTAAATCATGAACCTGGAAGAGCAGGTACTATAAAAGAGAATTCACGCTGTCCGTTGAATGAA
GAGGTAATTGTCCAAGCCAGGAAAATATTTCCTTCAGTGATAAAATATGTCGTAGAAATGACTATATGG
GAAGAGGAAAAAGAACTGCCTCCTGAACTCCAGATAAGGGAGAAAAATGAAAGATACTATTGTGTCCTT
TTCAATGATGAACACCATTCATATGACCACGTCATATACAGCCTACAAAGAGCTCTTGACTGTGAGCTC
GCAGAGGCCCAGTTGCATACCACTGCCATTGACAAAGAGGGTCGTCGGGCTGTTAAAGCGGGAGCTTAT
GCTGCTTGCCAGGAAGCAAAGGAAGATATAAAGAGTCATTCAGAAAATGTCTCTCAACATCCACTTCAT
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AAAATTATGAGCTATTCAAGTGACTTTAGGCAGATCTTTTGCCAAGCATGCCTTAGAGAAGAACCTGAC
TCGGAGAATCCCTGTCTCATAAGCAGGTTAATGCTTTGGGATGCAAAGCTTTATAAAGGTGCCCGTAAG
ATCCTTCATGAATTGATCTTCAGCAGTTTTTTTATGGAGATGGAATACAAAAAACTCTTTGCTATGGAA
TTTGTGAAGTATTATAAACAACTGCAGAAAGAATATATCAGTGATGATCATGACAGAAGTATCTCTATA
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TTCCAGGGTTATAGCCAGGACAAATTGGGAAGAGTATATGCAGTAATATGTGACCTAAAGTATATCCTG
ATCAGCAAACCCACAATATGGACAGAAAGATTAAGAATGCAGTTCCTTGAAGGTTTTCGATCTTTTTTG

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AAGATTCTTACCTGTATGCAGGGAATGGAAGAAATCCGAAGACAGGTTGGGCAACACATTGAAGTGGAT
CCTGATTGGGAGGCTGCCATTGCTATACAGATGCAATTGAAGAATATTTTACTCATGTTCCAAGAGTGG
TGTGCTTGTGATGAAGAACTCTTACTTGTGGCTTATAAAGAATGTCACAAAGCTGTGATGAGGTGCAGT
ACCAGTTTCATATCTAGTAGCAAGACAGTAGTACAATCGTGTGGACATAGTTTGGAAACAAAGTCCTAC
AGAGTATCTGAGGATCTTGTAAGCATACATCTGCCACTCTCTAGGACCCTTGCTGGTCTTCATGTACGT
TTAAGCAGGCTGGGTGCTGTTTCAAGACTGCATGAATTTGTGTCTTTTGAGGACTTTCAAGTAGAGGTA
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GGTTTACTAGAAGAGAAGCAACAGCTTCAAAAAGCTCCTGAAGAAGAAGTAACATTTGACTTTTATCAT
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CAGATGTCTGCCTTACAGAAAAACTTCATTGAAACTCATAAACTCATGTATGACAATACATCAGAAATG
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CAGGAGGTGAAAATAGAAAATAATGCCATGGTATTATCGGCCTGTGTCCAGAAATCTACTGCCTTAACC
CAGCACAGGGGAAAACCCATAGAACTCTCAGGAGAAGCCCTAGACCCACTTTTCATGGATCCAGACTTG
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GGAGATTCTACTTTGGAGTTCCATTCCATCCTGAGTTTTGGCGTTGAGTCTTCGATTAAATATTCAAAT
AGCATCAAGGAAATGGTTATTCTCTTTGCCACAACAATTTATAGAATTGGATTGAAAGTGCCACCTGAT
GAAAGGGATCCTCGAGTCCCCATGCTGACCTGGAGCACCTGCGCTTTCACTATCCAGGCAATTGAAAAT
CTATTGGGAGATGAAGGAAAACCTCTGTTTGGAGCACTTCAAAATAGGCAGCATAATGGTCTGAAAGCA
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CTTCTATCAGTTGTTCTTCCTAACATAAAATCAGAAGATACACCATGCCTTCTGTCTATAGATCTGTTT
CATGTTTTGGTGGGTGCTGTGTTAGCATTCCCATCCTTGTATTGGGATGACCCTGTTGATCTGCAGCCT
TCTTCAGTTAGTTCTTCCTATAACCACCTTTATCTCTTCCATTTGATCACCATGGCACACATGCTTCAG
ATACTACTTACAGTAGACACAGGCCTACCCCTTGCTCAGGTTCAAGAAGACAGTGAAGAGGCTCATTCC
GCATCTTCTTTCTTTGCAGAAATTTCTCAATATACAAGTGGCTCCATTGGGTGTGATATTCCTGGCTGG
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CCTAGAAAAAGAAATAGTTTGATAGAGCTTCCTGATGACTATAGCTGCCTCCTGAATCAAGCTTCTCAT
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GCACTTCACTGTGGAGCCGGAGTCTGCATTTTCCTAAAAATCAGAGAATGCCGAGTGGTCCTGGTTGAA
GGTAAAGCCAGAGGCTGTGCCTATCCAGCTCCTTACTTGGATGAATATGGAGAAACAGACCCTGGCCTG

AAGAGGGGCAACCCCCTTCATTTATCTCGTGAGCGGTATCGGAAGCTCCATTTGGTCTGGCAACAACAC
TGCATTATAGAAGAGATTGCTAGGAGCCAAGAGACTAATCAGATGTTATTTGGATTCAACTGGCAGTTA
CTGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

Plasmid Map:

ACCN: NM_174916

Insert Size: 5250 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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 TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_174916.2

RefSeq Size: 7758 bp

RefSeq ORF: 5250 bp

Locus ID: 197131

UniProt ID: Q8IWV7

Cytogenetics: 15q15.2

Protein Families: Druggable Genome

MW: 200.2 kDa

Gene Summary: The N-end rule pathway is one proteolytic pathway of the ubiquitin system. The recognition component of this pathway, encoded by this gene, binds to a destabilizing N-terminal residue of a substrate protein and participates in the formation of a substrate-linked multiubiquitin chain. This leads to the eventual degradation of the substrate protein. The protein described in this record has a RING-type zinc finger and a UBR-type zinc finger. Mutations in this gene have been associated with Johanson-Blizzard syndrome. [provided by RefSeq, Jul 2008]