

Product datasheet for **RG224120**

UBR2 (NM_015255) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: UBR2 (NM_015255) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: UBR2
Synonyms: bA49A4.1; C6orf133; dj242G1.1; dj392M17.3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG224120 representing NM_015255
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGTCGGAGCTAGAGCCAGAGGTGCAGGCCATCGACCGGAGTTTGCTGGAATGTTGGCCGAGGAGA
TTGGCGGGAAATGGCTGCAAGCAACTGACCTCACTAGAGAAGTGTACCAGCATTTAGCCCACTATGTACC
CAAATCTACTGCAGGGGTCCCAACCCTTTTCCACAGAAAGAAGACATGCTGGCACAGCATGTTTTGTTG
GGACCAATGGAATGGTACCTTTGTGGTGAAGTCTGCATTTGGATTTCCAAAACCTTGAGCAAGCAAACA
AACCTTCTCATCTTTGTGGTCGTGTTTTAAAGTAGGAGAGCCTACATATCTTGCAGAGACTGTGCAGT
TGATCCAACCTTGTGTTTTGTGCATGGAGTGCTTTTTGGGAAGTATTCACAGAGATCATCGATATAGGATG
ACAACATCAGGAGGTGGAGGTTTCTGTGACTGTGGTGATACTGAAGCCTGGAAAGAGGGTCTTACTGTG
AAAAACATGAACTTAACACCTCTGAAATGAGGAAGAAGAGGATCCTCTTGTTCAATTTATCAGAAGATGT
GATAGCAAGAACTTATAACATTTTTGCTATTACGTTTCGGTATGCAGTAGAAATATTAACCTGGGAAAA
GAAAGTGAATTGCCAGCAGATTTAGAGATGGTAGAGAAGAGTGACACCTACTATTGCATGCTGTTAATG
ATGAGGTTACACCTATGAACAAGTTATTTATACTCTTCAGAAAGCTGTTAACTGTACACAAAAAGAAGC
TATTGGTTTTGCAACTACAGTAGATCGAGATGGCGTAGGCTGTTTCGATATGGAGATTTTCAGTATTGT
GAGCAAGCAAAATCAGTAATTGTGAGAAATACCAGTAGACAGACAAAGCCACTCAAAGTTCAAGTTATGC
ATTCGTCTATTGTCGCACATCAGAATTTGGTTTGAAACTTTTGTCTGGCTGGGAAGTATTATTGGATA
TTCAGATGGCCTTCGCCGATTTTATGTCAAGTTGGTTTACAAGAAGGGCCAGATGGTGA AAACTCTTCT
CTAGTGGACAGACTGATGCTTAGTGATTCCAAATTATGGAAGGTGCTAGGAGTGTATATCATCAGTTGT
TCATGAGCAGTCTGCTTATGGATTTGAAATACAAGAACTATTTGCTGTTGCGATTTGCAAAAAATTACCA
GCAGTTGCAGAGAGATTTTATGGAGGATGATCACGAGCGAGCAGTGTCCGGTACTGCTCTATCTGTCCAG
TTCTTCACCGCACCTACTCTGGCTCGAATGCTCATCACAGAAGAAAACCTGATGAGCATTATCATTAAGA
CTTTTATGGATCATTTGAGACATCGAGATGCCAGGGCAGATTTTCAGTTTGAACGATACTGCTTTACA
AGCCTTCAAATTTAGGAGAGTACAGAGCCTTATTTTAGATCTCAAGTATGTGTTAATTAGCAAACCACT



[View online >](#)

GAATGGTCAGATGAGCTGAGGCAGAAGTTCCTAGAAAGGTTTGTATGCCTTTTTGGAATTACTAAAATGTA
TGCAGGGAATGGATCCAATTACACGTCAAGTAGGACAACATATTGAAATGGAACCAAGTGGGAAGCAGC
CTTCACACTACAAATGAAATTAACACATGTCATTTCAATGATGCAGGACTGGTGTGCTTCAGATGAAAA
GTGTTAATCGAAGCTTACAAGAAATGTCTCGCTGTACTGATGCAGTGTCTGGTGGTTACTGATGGTG
AACAGCCAATCACACTAAGCATTGTGGACATTCAGTGGAACTATCAGATACTGTGTTCCCAAGAAAA
AGTTAGCATTACCTCCCAGTTTCTCGTACTTGCAGGTTTACATGTATTATTAAGCAAAAGTGAAGTG
GCATATAAAATTCAGAGCTCCTACCTTAAGTGAACCTAGCCACCCATGTTGATAGAACCACCCCTTA
GATGTCTTGTCTGTGTCGCAAGTACATGCCGGAATGTGGAGAAGAAATGGGTTCTCTAGTAAACCA
GATTTATTACTACCATAATGTGAAATGCAGACGTGAGATGTTTGACAAGGATGTAGTAATGCTTCAGACA
GGTGTCTCCATGATGGATCCAAATCATTTCCTGATGATCATGCTCAGCCGCTTTGAACTTTATCAGATTT
TCAGTACTCCAGACTATGGAAAAAGATTTAGTTCTGAGATTACCCATAAGGATGTTGTTCCAGCAGAACA
TACTCTAATAAGAAGAAATGCTATACCTCATTATAATGCTTGTGGAGAGAGATTTAGTCTGGAGTTGGA
CAGGTAATGCTACAGATGAAATCAAGCGAGAGATTATCCATCAGTTGAGTATCAAGCCTATGGCTCATA
GTGAATTGGTAAAGTCTTACCTGAAGATGAGAACAAGGAGACTGGCATGGAGAGTGAATCGAAGCAGT
TGCCCATTTCAAGAAACCTGGATTAACAGGACGAGGCATGTATGAACTGAAACCAGAATGTCCAAAGAG
TTCAACTTGTATTCTATCACTTTTCAAGGGCAGAACAGTCCAAGGCAGAGAAGCGCAACGGAAATTTGA
AAAGACAAAATAGAGAAGATACAGCACTCCACCTCCGGTGTGCCTCCATTCTGCCCTCTGTTGCAAG
CCTGGTTAACATTTTGCAGTCAGATGTCATGTTGTGCATCATGGGAACAATTCTGCAATGGGCTGTGGAA
CATAATGGATATGCCTGGTCAGAGTCCATGCTGCAAAAGGGTGTACATTTAATTGGCATGGCACTACAAG
AAGAAAAACAACATTTAGAGAATGTCACGGAAGAGCATGTAGTAACATTTACCTTCACTCAGAAGATATC
AAAACCTGGTGAAGCGCCAAAAAATTCCTAGCATACTAGCTATGCTGGAAACTACAAAATGCTCCC
TACCTAGAAGTCCACAAGACATGATTCGGTGGATATTGAAGACTTTTAACTGCTGTTAAAAAGATGAGGG
AGAGTTCACCTACCAGTCCCCTGGCAGAGACAGAAGGAACCATAATGGAAGAGAGTTCGAAGGACAAGA
CAAAGCTGAGAGGAAGAGAAAAGCAGAGATTGCCAGACTGCGCAGAGAAAAGATCATGGCTCAGATGCT
GAAATGCAGCGGCAATTTATTGATGAAAACAAGAACTCTTTCAGCAGACATTAGAAGTGGATGCCTCAA
CCTCTGCTGTTCTTGATCATAGCCCTGTGGCTCAGATATGACACTTACAGCACTGGGCCCGCACAAAAC
TCAGGTTCTGAACAAAGACAATTCGTTACATGTATATTGTGCAAGAGGAGCAAGAAGTTAAAGTGGA
AGCAGGGCAATGGTCTTGGCAGCATTGTTTTCAGAGATCAACTGTATTATCAAAAAACAGAAGTAAATTTA
TTCAAGATCCAGAAAAATATGATCCATTATTCATGCACCCTGATCTGTCTTGTGGAACACACACTAGTAG
CTGTGGGCACATTATGCATGCCATTGTTGGCAAAGGTATTTTGATTCCGTTCAAGCTAAAGAACAGCGA
AGGCAACAGAGATTACGCTTACATACGAGCTATGATGTAGAAAACGGAGAATTCCTTTGCCCTTTGTG
AATGCTTGAGTAATACTGTTATTCCTCTGCTGCTTCTCCAAGAAATATTTTTAACAAACAGGTTAAATTT
TTCAGACCAACCAAACTGACTCAGTGGATTAGAACAATATCTCAGCAAATAAAAGCATTACAGTTTCTT
AGGAAAGAAGAAAGTACTCCTAATAATGCCTCTACAAAAGAATTGAGAAAATGTGGATGAATTACAGCTCC
CTGAAGGGTTCAGGCCTGATTTTCGTCCTAAGATCCCTTATTCTGAGAGCATAAAAGAAATGCTAACGCAC
ATTTGGAAGTGTACCTACAAGGTGGGACTAAAGGTTTCATCCCAATGAAGAGGATCCCTCGTGTCCCAT
ATGTGTTGGGGTAGCTGCGCGTACACCATCCAAGCATAGAAAAGAAATTTGAGTGATGAAGATAAACCAT
TGTTTGGTCTTTACCTTGCAGACTGGATGACTGTCTTAGGTATTGACGAGATTTGCCGACGACACTG
GACAGTGGCATCAGTTTTCAGTGGTGAAGGACATTTTTGTAACCTTTTTGCATCACTGGTGCCTAATGAC
AGCCATGAGGAACTTCCATGCATATTAGATATTGACATGTTTCATTTATTGGTGGGCTTGGTCTGTCAT
TTCTGCTTGCAGTGTGAGATTTTTTCAGGGATCAGCCTTGGCACTGGAGACCTTCACATTTTCCATCT
GGTTACTATGGCACACATCATACAGATCTTACTTACCTCATGTACAGAAGAGAATGGCATGGATCAAGAA
AATCCCCCTTGTGAAGAAGAATCAGCAGTCTTGTCTTTGTATAAAACACTTCACCAGTATACGGGAAGTG
CCTTGAAGAAATACCATCCGGCTGGCATCTGTGGAGGAGTGCAGAGCTGGAATCATGCCTTCTCTGAA
GTGTTCTGCTTTATTTTTTTCATTAATAAGGAGTTCCTTCCCCACCCGACATTCAAGTCTCTGGAACA
AGCCATTTTGAACATTTATGTAGCTATCTTTCCCTACCAACAACCTCATTGCTTTTTCAAGAAAATA
GTGAGATAATGAATTCAGTATTGAAAGTTGGTGGCGTAACAGTGAAGTTAAAAGATATCTAGAAGTGA
AAGAGATGCTATAAGATATCCAAGAGAATCTAACAAATTAATAAACCTTCCAGAGGATTACAGCAGCCTC
ATTAATCAAGCATCCAATTTCTCGTGCCCGAAATCAGGTGGTGAAGAGCAGAGCCCCAACTCTGTGCC
TTGTGTGCGGATCTGTGCTGTGCTCCCAGAGTACTGCTGCCAGACTGAACTGGAAGGGGAGGATGTAGG
AGCCTGCACAGCTCACACCTACTCTGTGGCTCTGGAGTGGGCATCTTCTGAGAGTACGGGAATGTCAG
GTGCTATTTTTAGCTGGCAAAACCAAGGCTGTTTTATTCTCTCTTACCTTGATGACTATGGGGAGA

CCGACCAGGGACTCAGACGGGAAATCCTTTACATTTATGCAAAGAGCGATTCAAGAAGATTCAGAAGCT
CTGGCACCAACACAGTGTACAGAGGAAATTGGACATGCACAGGAAGCCAATCAGACACTGGTTGGCATT
GACTGGCAACATTTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG224120 representing NM_015255
Red=Cloning site Green=Tags(s)

MASELEPEVQAIDRSLLLECSAEEIAGKWLQATDLTREVVQHLAHYVPKIYCRGPNPFPQKEDMLAQHVLL
GPMEWYLCGEDPAFGFPKLEQANKPSHLGRVFKVGEPTYSCRCAVDPTCVLCMECFLGSIHRDHRYRM
TTSGGGGFCDCGDEAWKEGYPYCQKHELNTSEIEEEEDPLVHLSIEDVIARTYNIFAITFRYAVEILTWEK
ESELPADELMVEKSDTYCMLFNDEVHTYEQVIYTLQKAVNCTQKEAIGFATTVDRDGRRSVRYGDFQYC
EQAKSVIVRNTSRQTKPLKVQVMHSSIVAHQNFGLKLLSWLGSIIIGYSDGLRRILCQVGLQEGPDGENSS
LVDRMLSDSKLWKGARSVYHQLFMSSLLMDLKYKFLFAVRFAKNYQQLQRDFMEDDHERAVSVTALSVQ
FFTAPTLARMLITEENLMSIIIKTFMDHLRHRDAQGRFQFERYTALQAFKFRVQSLILDLYVLI SKPT
EWSDELQKFLQGFDAFLELLKCMQGMPIRQVQGHIEMEPEWEAAFTLQMKLTHVISMMDWCASDEK
VLIEAYKKCLAVLMQCHGGYTDGEPITLSICGHSVETIRYCVSQEKVSIHLVPSRLLAGLHVLLSKSEV
AYKPELLPLSELSPMLIEHPLRCLVLCAQVHAGMWRNGFSLVNQIYYHNVKCRREMFDDKDVMLQT
GVSMMDPNHFLMIMLSRFELYQIFSTPDYGRFSSEITHKDVVQQNNTLIEEMLYLIIMLVGERFSPGVG
QVNATDEIKREIIHQLSIKPMAHSELVKSLPEDENKETGMESVIEAVAHFKKPLTGRGMYELKPECAKE
FNLYFYHF SRAEQSKAEAAQRKLRQNREDTALPPPVLPPFCPLFASLVNQLQSDVMLCIMGTILQWAVE
HNGYAWSESMLQRVHLIGMALQEEKQHLEENVTEEHVVTFTFTQKISKPGEAPKNPSILAMLETQNP
YLEVHKDMIRWILKTFNAVKKMRESSPTSPAETEGTIMESSRDKDKAERKRKAEIARLRREKIMAQMS
EMQRHFIDENKELFQQTLELDASTSAVLHDSPVSDMTLTALGPAQTQVPEQRQFVTCILCQEEQEVKVE
SRAMVLAQVQRSTVLSKNRSKFIQDPEKYDPLFMHPDLSCGHTSSCGHIMHAHCWQRYFDSVQAKEQR
RQQLRLHTSYDVENGFLCPLCECLSNVPLPLPPRNIFNNRLNFSQPNLTQWIRTISQIKALQFL
RKEESTPNNASTKNSENVDELQLEPGFRPDFRPKIPYSESIKEMLTTFGTATYKVLKVPNEEDPRVPI
MCWGSCAYTIQSIERILSDEKPLFGPLPCRLDDCLRSLTRFAAAHWTVASVSVVQGHFCKLFAVLPND
SHEELPCILDIDMFHLLVGLVLAFPALQCQDFSGISLGTDLHIFHLVTMAHIIQILLTSCTEENGMDQE
NPPCEESAVLALYKTLHQYTGSALKEIPSGWHLWRSVRAGIMPFLKCSALFFHYLNGVPSPPDIQVPGT
SHFEHLCSYLSLPNNLICLFQENSEIMNSLIESWCRNSEVKRYLEGERDAIRYPRESNKLINLPEDYSSL
INQASNFSCPKSGGDKSRAPTLCLVCGSLLCSQSYCCQTELEGEDVGACTAHTYSCGSGVGIFLRVRECQ
VLFLAGKTKGCFYSPPYLDDYGETDQGLRRGNPLHLCKERFKKIQKLWHQHSVTEEIGHAQEANTLVGI
DWQHL

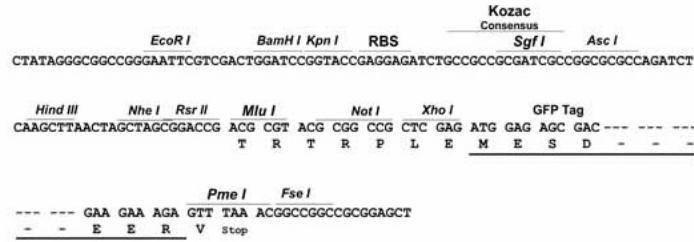
TRTRPLE - GFP Tag - V

Restriction Sites:

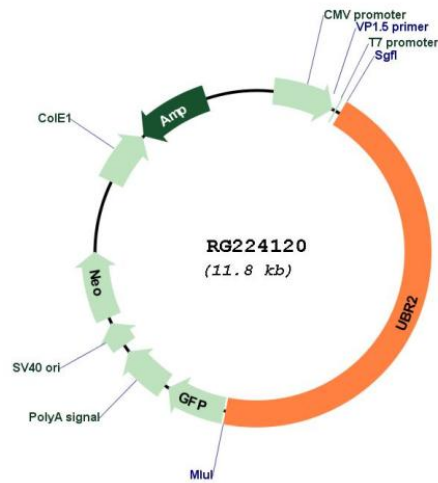
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



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:	<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_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
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]