

## Product datasheet for **RR217690**

### Ubr1 (NM\_001178072) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ubr1 (NM\_001178072) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Ubr1  
**Synonyms:** RGD1562326  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR217690 representing NM\_001178072  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCGGACGAAGAGATGGACGGCGCCGAGAGGATGGACGTGACCCGGAGCCTCCCTGGCCCCCTCAGC  
CGCCCGCATCCTGGTGGGATCAGCAAGGTGATTTTTATACTGCTTCTTACATCATTGGCAAAATAGT  
GCCAGAAATTTATTTGCTGAGATGGACCCAGATTTGGAAAAGCAAGAAGAGAATGTACAATGTCAATA  
TTCACCTCTTTGGAATGGTACTTATTTGGAGAGGATCCAGACGTTTGCTTAGAGAGATTAAGCACAGTG  
CAGCATTTGAGTTGTGCGGGAAGGTTTTCAAAAGTGGAGAAACAACATATTCCTGTAGGGATTGTGCAAT  
TGATCCAACGTGTGTGCTCTGTATGGACTGCTCCAGAGTAGTGTTCATAAAAACCATCGTTACAAGATG  
CATACTTCTACTGGAGGAGGCTTCTGTGACTGTGGAGACACAGAAGCGTGGAAAACCTGGTCCCTTTTGT  
TGGATCACGAACCTGGAAGAGCAGGTAACAAGAGACCTTGCATTGCCACTGAATGAAGAGGTAAT  
TGCTCAAGCCAGGAGAATATCCCTTCAGTGATAAAGTACATTGTAGAAATGACTATATGGGAAGAGGAA  
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AGCACCATTATGATCATGTGATATACAGTCTGCAAAGAGCTTTGACTGTGAGCTTGCAGAGGCACA  
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TTCAAGTGACTTTAGGCAGATCTTCTGCCAAGCCTGCCTCATAGAGGAGCCTGGCTGAAACATCCCTGT  
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GAATGGAAGAAATCAGAAGACAAGTTGGACAGCACATTGAAGTAGACCCTGACTGGGAGGCTGCCATCGC  
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 CTTCTATCCGTTGATCTATTTTCTGTTCTGGTGGGCGCTGTCTTAGCGTTCCTGCTTACTGGGATG  
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 TCTGTCTTTTCTGTGGGCCATCCTGTGTTCTCAGAACATCTGTTGCCAAGAAATCGTGAATGGGGAGGA  
 GGTGGAGCGTGCCTTTTTCATGCACTTCACTGTGGTGTGGAGTCTGCATTTTCTAAAAATCAGAGAA  
 TGCAGAGTGGTCTGGTAGAAGGAAAAGCCAGAGGCTGTGCCACCCAGCCCTTACTTGGATGAATATG  
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TTTGGTCTGGCAACAGCACTGCATTATAGAAGAGATTGCTCGGAGCCAGGAGACTAATCAGATGCTGTTT  
GGATTCAACTGGCAGTTACTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR217690 representing NM\_001178072  
Red=Cloning site Green=Tags(s)

MADEEMDGAERMDVSPEPPLAPQPPASWWDQQGDFYAFLLHHLAKLVPEIYFAEMDPDLEKQEENVQMSI  
FTPLEWYLFGEDPDVCLERLKHSAAFQLCGKVKSGGETTYSCRDAIDPTCVLCMDCFQSSVHKNHRYKM  
HTSTGGGFCDCGDEAWKTGPFCDHEPGRAGTTKETHCPLNEEVIAQARRIFPSVIKIVEMTIWEEE  
KELPPELQRREKNERYCVLFNDEHHSYDHVIYSLQRALDCELAEAQLHTTAIDKEGRRAVKAGVYSACQ  
EAKEDIKSHSENVSQHPLHVEVLHSVMAHQKFAALRLGSMNKMIMSYSDFRQIFCQACLIIEEPGSEHPC  
LISRLMLWDAKLYKGARKILHELIFSSFFMEMEYKFLFAMEFVKYKQLQKEYISDDHERSISITALSVQ  
VFTVPTLARHLIEEQNVISVITETLLEVLPEYLDNRNKNFNQGYSDKLRVYAVICDLKYILISKPLVW  
TERLRAQFLEGFRSFLKILTCMQMEEIRRQVQGHIEVDPDWEAAIAIQMLKNILLMFQEWACADELL  
LVAYKECHKAVMRCSTNFMSSKTVVQLCGHSLETKSYKVSIEDLVSIIHLPLSRTLAGLHVRLSRLGAVSR  
LHEFVPPDFGQVEVLVEYPLRCLVLVAQVVAEMWRRNGLSLISQVFYYQDVKCREEMYDKDIIMLQIGAS  
IMDPNFKLLLVLQRYELADAFNKTISTKDQDLIKQYNTLIEEMLQVLIYIVGERYVPGVGNVTKEEVIMR  
EITHLLCIEPMPHSAIARNLPENENNETGLENVINKVATFKKPGVSGHGVYELKDESLKDFNMYFYHYSK  
TQHSKAEHMQKRRKQENKDEALPPPPPEFCPAFSKVTDLNCDIMMHILRTIFERAVDPESNLWTEGM  
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ILQMFDTVKRLREKSCLVVASTSGLESIKSEIETHDKEKAERKRAEAARLHRQKIMAQMSALQKNFIET  
HKLMYDNTSEITGKEDSIMEEESPAVSECSRIALGPKRGPALTEKEVLTCILCQEEQEVKLENNAMVLS  
ACVQKSTALTQHRGKPAAGLLGESLDPLFMDPDLAHGTYAGSCGHVMHAVCWQKYFEAVQLSSQQRIVHDL  
FDLESQEYLCPLCKSLCNTVPIIPIPLQPQKINSENAEALSQLTLARWIQTVLARISGYNMKHAKGEAPA  
VPVLFNQMGDSTFEFHSILSFGVQSSVKYSNSIKEMVILFATTIYRIGLKVPPDELDPVPMMTWSTCA  
FTIQAIENLLGDEGKPLFGALQNRQHNLKALMQFAVAQRTPCPQVLIQKHLVRLSVVLPNLQSENTPC  
LLSVDLFHVLVGAVLAFPSLYWDDTVDLQPSPLSSSYSHLYLPHLVTMAHMLQIILLTVDADQSPGLPLNE  
GGEDSEEARCASALFVEVSQHTDGLIGCGAPGWYLLSLRNGITPYLRCAALLFHYYLLGVTPEELFANS  
AEGEFSALCSYLSLPTNLFLLFQYWDTRPLLRWCGDPALLNSLKQKSALVRYPRKRNSLIELPDDYS  
CLLNQASHFRCPRSSDDERKHPVLCFCGAILCSQNICCQEIYVNGEEVGCVFHALQCGAGVCIFLKIRE  
CRVVLVEGKARGCAYPAPYLDEYGETDPGLKRGNPLHLSRERYRKLHLVWQHCIIIEIARSQETNQMLF  
GFNWQLL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI



<b>ACCN:</b>	NM_001178072
<b>ORF Size:</b>	5271 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001178072.1</a> , <a href="#">NP_001171543.1</a>
<b>RefSeq Size:</b>	5274 bp
<b>RefSeq ORF:</b>	5274 bp
<b>Locus ID:</b>	499877
<b>Cytogenetics:</b>	3q35
<b>MW:</b>	200.2 kDa