

Product datasheet for **MC229681**

Ubr3 (NM_001303033) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ubr3 (NM_001303033) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ubr3
Synonyms:	1110059H15Rik; 4833421P10Rik; A130030D10Rik; AA409735; AA414972; AA422631; A1646861
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC229681 representing NM_001303033 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGC**

ATGGCGGCGGCGGCGGCCGCGGCGGCCGTGGGGACCCGAGCCGCCCCAGCCGGAGGCGCGGCGCAGG
GGCTGGCTTTAGACAAAGCGGCCACCGCGCTCATCTGAAGCCGCTCTCAGCCGGCCGATAAACGTGC
GGCGCGGAGGAGCTGCAGGCGCTGCTGGAGAGGTGCTGAACCCGAGCGGCCGCTGGCCGGGGCTGCG
GGCGGCGAGGAGGCGGCCGGCGGCGGCCGCGGCCCGGCGAGGCGGAGGAGGATGCCCTGGAGTGGT
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TGCATGTCGCTGTGCGCGGAGTGCTTCCACCAGGGCGACCACACTGGACACGACTTCAACATGTTCCGCA
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CCAAGATTCATTTTTGTCTTATTCAGTACTTAAGAGAAGGCTATAATGAACCAGCAGCTGATGCACCA
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TCAGTGATTTTATTAATATTCTTTCTCATCAAAGTGTGGCTCAGAGGTTTCTGGAGGATCACGGCCTGTT
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 TCAGTGCTCGTGTGACTGGCCAGTTGCAGCGTTTGCATTATAACTCAGTGGTGTGTTGAGATAAC

ATCATTTACGGAGAGACACGCAGAGCAAGGAAAGGCCTTGCTTATCCAAGAATCAAGATGGAAGTTACCA
CACCTGTTACAGTTGCCTGAGAATTACAACACTATTTTTTCAGTACTATCATAGAAAAACCTGCAGTGTCT
GCACCAAGGTTCTAAAGACCCAGCTGTTTGCCTCGTCTGCGGCACTTTCGTATGCCTGAAAGGCCTGTG
CTGCAAGCAGCAAAGTTACTGTGAATGTGTGCTGCATTCTCAGAATTGTGGTGCAGGAACAGGAATTTTC
CTTTAATCAACGCGTCAGTGATCATCATCCGAGGCCACCGCTTTTGCCTCTGGGGTCCGTCTACT
TGGATGCTCATGGAGAAGAGGACCGGGACCTCAGGCGAGGCAAGCCTCTCTACATCTGTGAGGAGCGGTA
CAGAGTTCTCGAGCAGCAGTGGGTTTCCACACGTTTGACCACATCAATAAAAGATGGGGTCCGCACTAC
AATGGGCTGTGA

AGCGGACCGACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-RsrII
ACCN:	NM_001303033
Insert Size:	5682 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001303033.1</u> , <u>NP_001289962.1</u>
RefSeq Size:	8098 bp
RefSeq ORF:	5682 bp
Locus ID:	68795
Cytogenetics:	2 C2

Gene Summary:

E3 ubiquitin-protein ligase which is a component of the N-end rule pathway (PubMed:17462990). Does not bind to proteins bearing specific N-terminal residues that are destabilizing according to the N-end rule, leading to their ubiquitination and subsequent degradation (PubMed:17462990). May play a role in Shh signaling by mediating the ubiquitination of Kif7 (PubMed:27195754). May be important for MYH9 function in certain tissues, possibly by regulating the ubiquitination of MYH9 and consequently affecting its interaction with MYO7A (PubMed:27331610).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (3) represents the longer transcript and encodes the longer isoform (3). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.