

Product datasheet for MC225011

Ubr3 (NM_177783) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ubr3 (NM_177783) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ubr3
Synonyms:	1110059H15Rik; 4833421P10Rik; A130030D10Rik; AA409735; AA414972; AA422631; A1646861
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC225011 representing NM_177783 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCGCGCGCGGCCGCGCGGCCGTGCGGGACCCGAGCCGCCCCAGCCGGAGGCGCGCGCAGG
GGCTGGCTTTAGACAAAGCGGCCACCGCGCTCATCTGAAGGCCGCTCTCAGCCGGCCGGATAACCGTGC
GGGCGCCGAGGAGCTGCAGGCGCTGCTGGAGAGGGTGTGAACCCGAGCGGCCGCTGGCCGGGCTGCG
GGCGCGAGGAGGCGCGGCCGCGCGGCCGCGGCCCGCGCCGCGGCGAGGCGGAGGAGGATGCCCTGGAGTGGT
GTAAGTGCCTTCTGGCCGCGCGCGCGCTACGAGGAGTCTGCGCGGCCGTGCGGGCCTACGACCCCGC
GGCGCTCTGCGGCCTGGTCTGGACGGCCAATTCTGGCTACCGCTGCCGGACGTGCGGCATCTCCCC
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GCCAGGCCGGGGCGCCTGCGACTGCGGGGACAGCAACGTAATGCGGGAGAGCGGGTTTTGTAGAAGACA
TCAGATTAATCAAGTTCAAATATTCCTGTGTCCCAAAGACTTACTGATGATGTCTGAATTTGTTCTT
CCAAGATTCATTTTTGTCTTATTCACTAATAAGAGAAGGCTATAATGAACCAGCAGCTGATGCACCAT
CAGAAAAGATCTGAACAAAGTCCTTCAGCTTTTGAGCCTCAGATTTCTTTTTAGAAGACCTGACTAA
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CAGCATTATGCTTTTATTATGAAAACACTGAAGAAAAGTCACGAATCAGATACAATGTCCAACAGAAATTG
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GGACATCATGGTCACTGTGTTGTGTACATGATGGAGAGCTGCCTCATCAAGAGTGTGAGCTGCAAGATGAA



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GAGAACAGTTTACATGTAGTGGTGAACGTGGAGAAGCCTTACTGAAGAATAACACCTACTGGCCCTTG
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 GAGCTGCAGGGACGGCCGGGAGCTTTCCCATCAGAAACCAACTTAAGTAAAGAAATGGAATCTGTAAATGA
 AAGATATAAAAAATACCACTCAGAAGAAATACAGAGACTATAGCAAGACCCAGGCTCACCAGACAAACGA
 GTTTCTCTTATGTAAGTCTGTTGCTAGAACCAATCTGGAGCTGGAAGTATTATAGAGGAGGCAGTCTC
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 CTGCTCATCCAGATCTTAATGATGCCACAACCTTACGTAAAGAGCACTTACCTGCATTGTGAAAGTAC
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 GTCCTTGCAGCTGCCTGGGACTTCTGCCAACTTTTTACCAAACAGATCACCCGTTATCAGTGCCTCGT

GTCTGGACTGGCCAGTTGCAGCGTTTGACATTATAACTCAGTGGTGTGTTTGGAGATAACATCATTTACGGA
 GAGACACGCAGAGCAAGGAAAGGCCTTGCTTATCCAAGAATCAAGATGGAAGTTACCACACCTGTTACAG
 TTGCCTGAGAATTACAACACTATTTTTAGTACTATCATAGAAAACTCGAGTGTGACCAAGGTTTC
 CTAAGACCCAGCTGTTTGCCTCGTCTGCGGCACTTTTCGTATGCCTGAAAGGCCTGTGCTGCAAGCAGCA
 AAGTTACTGTGAATGTGTGCTGCATTCTCAGAATTGTGGTGCAGGAACAGGAATTTTCTTTAATCAAC
 GCGTCAGTGATCATCATCCGAGGCCACCGCTTTTGCCTCTGGGTTCCGTCTACTTGGATGCTCATG
 GAGAAGAGGACCGGACCTCAGGCGAGGCAAGCCTCTCTACATCTGTGAGGAGCGGTACAGAGTTCTCGA
 GCAGCAGTGGGTTTCCACACGTTTGACCACATCAATAAAGATGGGGTCCGCACTACAATGGGCTGTGA

AGCGGACCGACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-RsrII
- ACCN:** NM_177783
- Insert Size:** 5670 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).
- 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_177783.6](#), [NP_808451.2](#)
- RefSeq Size:** 8086 bp
- RefSeq ORF:** 5670 bp
- Locus ID:** 68795
- UniProt ID:** [Q5U430](#)
- 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 (2) uses an alternate in-frame splice site in the 3' coding region, compared to variant 3. This results in isoform (2) which is shorter than 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.