

Product datasheet for MC202916

Ube2m (NM_145578) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ube2m (NM_145578) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ube2m
Synonyms:	2510040H03Rik; Ubc-rs2; UBC12
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC021792 sequence for NM_145578 CCGAGGATCGCCGAGTCCTCCCAGCACCTCCGAACACACCCGAGGTGCTTAGCCAGGCCAGAGCCGGAC TACGGGAGCCGAGGCGGGCCGTGCGGTGGGCGCGGAGCAGCGCGGAGCCGGCCGAGCGGCAGCGGAGG AGGCCCGGTAGCGGGTCCGAGGAGCGGAAGCGGCGCAGGCGGGCGGGGGCCGGGTGGCCGGGTCC CGGGCCCCGCGGCGGCGGCTGCGGCGGGCGGCGGAGGATGATCAAGCTGTTCTCGCTGAAGCAGCAGAAG AAGGAGGAGGAGTCCGCCGCGGCACCAAGGGCAGCAGCAAGAAGGCGTCCGCCGCGCAGCTCCGGATTC AGAAGGACATTAACGAGCTGAACCTGCCAAGACGTGTGACATCAGCTTCTCAGACCCAGACGACCTCCT CAACTTCAAGCTGGTGATCTGCTCTGATGAAGGCTTCTACAAAAGTGGCAAGTTTGTATTAGCTTTAAG GTGGGACAGGGTTACCCACATGACCCTCCCAAGGTGAAGTGTGAAACAATGGTTTATCATCCCAACATTG ACCTCGAGGGCAACGTCTGCCTCAACATCCTCAGAGAGGACTGGAAGCCAGTCTTACGATAAACTCCAT AATTTATGGCCTGCAGTATCTTCTTGGAGCCGAACCCTGAGGACCCACTGAACAAGGAGGCTGCTGAG GTCTGCGAGAACAACCGGCGGCTGTTTGAACAAAATGTGCAAGCGCTCCATGAGAGGTGGTTACATCGGGT CCACCTACTTCGAGCGCTGCCTGAAATAGGGTTAGCAATTACCCATCCCTGCCAGGGTTACCGGCCCAGG CATCCCCTGCAAAATTTATTGGGGGCCCGGGTAAAGGTGTGTGGGTAGCCTTGGCCCCTGCCTTGGCCT TGCCCTCTTCCCTGTCACCTGCCCTAGTTATTTTTTTTTTTTACCACACGATGATTATGGTCGGTGCT GCCTCCCCCGACCTGCTCAGCGATGGGAAATGAATTGGCTTGTAGCGCCCCCCCCCTCCCGCTGGG TGCTGTCCAATCCCCACTTTGACTGTGGGTAAGTGGGCAATGGGCCTGGGTCGCTAGGCCAAAGCAA CCCACCCACCACCACTGGAGGTCCCACCAGGCTATTAAGGGGAATGTTACTGCAAAAAAAAAAAAAAAAAA AAAAAAAAAA
Restriction Sites:	RsrII-NotI
ACCN:	NM_145578
Insert Size:	552 bp



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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:	<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>BC021792</u> , <u>AAH21792</u>
RefSeq Size:	1199 bp
RefSeq ORF:	552 bp
Locus ID:	22192
UniProt ID:	<u>P61082</u>
Cytogenetics:	7 7.73 cM
Gene Summary:	<p>Accepts the ubiquitin-like protein NEDD8 from the UBA3-NAE1 E1 complex and catalyzes its covalent attachment to other proteins. The specific interaction with the E3 ubiquitin ligase RBX1, but not RBX2, suggests that the RBX1-UBE2M complex neddylates specific target proteins, such as CUL1, CUL2, CUL3 and CUL4. Involved in cell proliferation (By similarity). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>