

Product datasheet for MC227721

Uba3 (NM_001301857) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Uba3 (NM_001301857) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Uba3
Synonyms:	A830034N06Rik; AI256736; AI848246; AW546539; Ube1c
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC227721 representing NM_001301857 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCTGTTGATGGTGGGTGTGGGGACTGGAGACTGGGAAGGTCGCTGGAACCATGTAAGAAGTTCC
TCGAGCGGTCTGGACCCCTCACACACCCCGATTTCGAACCAAGCACTGAATCACTCCAGTCTTGTAGTA
TACATGTAAGTCTAGTCATTGGAGCTGGTGGCTTAGGATGTGAGCTTCTGAAAAATCTGGCATTATCT
GGTTTTAGACAGATTCATGTTATAGACATGGACTATAGATGTTTCCAATTTAAATAGACAGTTTTTAT
TTAGGCCATAAAGATGTCGGAAGACCCAAGGCTGAAGTTGCTGCAGAATTCCTAAATGACAGAGTTCTAA
CTGCAACGTGGTACCACATTTCAACAAGATACAAGATTTAACGACACTTCTACCGACAATTTTCATATC
ATTGATGTGGCCTGGACTCTATCATAGCGAGAAGATGGATCAATGGAATGCTGATATCTTCTAAATT
ATGAAGATGGTGTGTTGGATCCAAGCTCCATTGTACCTTTGATAGATGGGGGACAGAAGGCTTTAAAGG
GAATGCCCGAGTGATTTTGCCCTGGAATGACCGCTTGATTTGAGTGCACCTGGAACCTTACCCACCACAG
GTCAATTTCCCATGTGTACCATTGCATCTATGCCAGGCTCCCAGAACACTGTATCGAGTATGTGAGGA
TGTTGCAATGGCCTAAAGAGCAGCCTTTTGGAGATGGGGTCCATTAGATGGAGATGACCCTGAACATAT
TCAGTGGATTTTCCAAAAGTCCATAGAGAGAGCATCACAATATAATATTAGAGGCGTTACCTACAGACTC
ACTCAAGGGTGGTAAAACGAATCATTCTGCAGTAGCTTCTACAAATGCAGTCATTGCAGCTGTGTGTG
CCTGAGGTTTTCAAGTAGCTACAAGTGCATACATTCCTTAATAACTACCTGGTATTCAATGATGT
AGATGGGCTGTACACTTACAGTGTGAAGCAGAGAGAAAGGAAAAGTGTCCAGCATGTAGCCAATTCCT
CAAAACATTAGTTTTCCCATCAGCTAAACTACAGGAGGCTTACTACTACCTAACCAACAGTGTCTCTC
TGCAAATGAAGTCTCCGGCTATCACAGCCACATTAGAGGGGAAGAAGGACACTTTACTTACAGTCAGT
AACGTCTATTGAAGAACGAACCAGGCCAATCTTCCAAAACATTTAAAGAACTGGGACTAGTTGATGGA
CAAGAAGTGGCTGTTGCTGATGCTACTACACCACAGACTGTAATTTCAAACCTTCAATTTACT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001301857
Insert Size:	1326 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_001301857.1</u> , <u>NP_001288786.1</u>
RefSeq Size:	2835 bp
RefSeq ORF:	1326 bp
Locus ID:	22200
UniProt ID:	<u>Q8C878</u>
Cytogenetics:	6 D3
Gene Summary:	The protein encoded by this gene is the catalytic subunit of the enzyme that activates NEDD8, a ubiquitin-like molecule that binds to its target proteins through an enzymatic reaction analogous to ubiquitylation. Embryonic mice deficient for this protein die prior to implantation and display apoptosis of the inner cell mass. Trophoblastic cells cannot enter S phase, demonstrating that this gene is required for cell cycle progression during embryogenesis. Two pseudogenes have been found for this gene. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Sep 2014] Transcript Variant: This variant (3) uses an alternate splice site in the 5' coding region and uses a downstream start codon compared to variant 1. It encodes isoform 3 which has a shorter N-terminus compared to isoform 1.