

Product datasheet for MC225778

Mpdu1 (NM_001301711) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mpdu1 (NM_001301711) Mouse Untagged Clone
Tag: Tag Free
Symbol: Mpdu1
Synonyms: LEC3; LEC35; SL; SL15; Supl; Supl15h
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC225778 representing NM_001301711
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCACTACAGAGGAGAGACCGTGAAAGGAGTCGCTTTCCTTGCCTGCTATGCCATGGTCTCTGGCGC
 TGCTCTCCCCGCTCAGCCTCTGGCTGTAGTCACTCTGCTCCAGGCCTCAATGTACCTGCCGTGGTGGT
 GGGGAAGTTGCTTCAGGCAGCCACTAATAACGCAACGGACACAGGCCAGCTTTCAGCCATTACAGTG
 TTTATGCTGTTTGGGGCTCCTTGGCCGAATCTTCACTTCTGTTCAAGAACTGGAGACCCCTCATGG
 CTGGAGTCTTTGTGGTCTCTTCTCTGCAATGGCCTCATTGCTGCCAGGTCTCTTCTACTGGAACGC
 AAGGCTCCCCACAAACAGAAAAGGAGCAATAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001301711

Insert Size: 384 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.



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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_001301711.1, NP_001288640.1</u>
RefSeq Size:	1363 bp
RefSeq ORF:	384 bp
Locus ID:	24070
Cytogenetics:	11 42.86 cM
Gene Summary:	<p>This gene encodes a member of the PQ-loop superfamily. A similar gene in human encodes a protein that is required for monosaccharide-P-dolichol-dependent glycosyltransferase reactions, and disruption of this gene is the cause of congenital disorder of glycosylation (CDG) type 1F, a disease linked to defects in protein N-glycosylation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2014]</p> <p>Transcript Variant: This variant (3) uses an alternate splice site and uses an in-frame downstream start codon, compared to variant 1. The resulting protein (isoform 3) has a shorter N-terminus than isoform 1.</p>