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Product datasheet for MC226250

Mpdu1 (NM_001301710) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mpdu1 (NM_001301710) 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:	>MC226250 representing NM_001301710 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGCGGGGGAGGCCGACGGGCCGTTCAAAGGGCTGCTGGTGCCAATTCTTTTACCTGAGAAATGTTACG ACCAGCTCTTCGTGCAATGGGACTTGCTTCATGTTCCCTGCCTCAAGATTCTCCTCAGCAAAGGCCTCGG GCTGGGCATCGTGGCTGGGTCACTTCTCGTCAAGCTGCCCCAGGTATTTAAACTCTTGGGAGCCAAGAGT GCAGAAGGACTGAGTCTCCAGTCAGTAATGCTGGAGCTAGTGGCACTGACCGGAACCGTGGTCTACAGCA TCACCAACAACTTCCCCTTCAGTTGCTTCAGGCAGCCACTAACTACCGCAACGGACACACAGGCCAGCTT TCAGCCATTACAGTGTTTATGCTGTTTGGGGGCTCCTTGGCCCGAATCTTCACTTCTGTTCAGGAAACTG GAGACCCCCTCATGGCTGGAGTCTTTGTGGTCTCTTCTCTCTGCAATGGCCTCATTGCTGCCCAGGTCCT CTTCTACTGGAACGCAAAGGCTCCCCACAAACAGAAAAAGGAGCAATAGAGCTGAGCTCGCTTCTAGAAC AATTCCATTTCCACTCATCCTCAGAGTCCTCCCCACATGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Restriction Sites:	SgfI-MluI
ACCN:	NM_001301710
Insert Size:	600 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).

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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:	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_001301710.1, NP_001288639.1
RefSeq Size:	1123 bp
RefSeq ORF:	600 bp
Locus ID:	24070
Cytogenetics:	11 42.86 cM
Gene Summary:	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] Transcript Variant: This variant (2) lacks two alternate exons which results in a frameshift in the 3' coding region compared to variant 1. The resulting protein (isoform 2) has a distinct C-terminus and is shorter than isoform 1.

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