

Product datasheet for **SC319480**

MPDU1 (NM_004870) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MPDU1 (NM_004870) Human Untagged Clone
Tag:	Tag Free
Symbol:	MPDU1
Synonyms:	CDGIF; HBEBP2BPA; Lec35; My008; PP3958; PQLC5; SL15; SLC66A5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_004870.2
GAGACTGGCGGAAGCTAGCTTTTGAATATGGCGGCCGAGGCGGACGGACCCTTAAACGG
CTGCTCGTGCCGATTCTTTTACCTGAGAAATGCTACGACCAACTTTTCGTTTCAGTGGGAC
TTGCTTACGTCCCTGCCTCAAGATTCTCCTCAGCAAAGGCCTGGGGCTGGGCATTGTG
GCTGGCTCACTTCTAGTAAAGCTGCCCCAGGTGTTTAAAAATCCTGGGAGCCAAGAGTGCT
GAAGGGTTGAGTCTCCAGTCTGTAATGCTGGAGCTAGTGGCATTGACTGGGACCATGGTC
TACAGCATCACTAACAACCTCCCATTCAGCTCTTGGGGTGAAGCCTTATTCCTGATGCTC
CAGACGATCACCATCTGCTTCTGGTCACTACAGAGGACAGACTGTGAAAGGTGTC
GCTTTCTCGCTTGTACGGCCTGGTCTGCTGGTCTTCTCTCACCTCTGACGCCCTTG
ACTGTAGTACCCTGCTCCAGCCTCCAATGTGCCTGCTGTGGTGGTGGGAGGCTTCTC
CAGGCAGCCACCAACTACCACAACGGGCACACAGGCCAGCTCTCAGCCATCACAGTCTTC
CTGCTGTTTGGGGCTCCCTGGCCGAATCTTCACTTCCATTGAGAAACCGGAGATCCC
CTGATGGCTGGGACCTTTGTGGTCTCCTCTCTCTGCAACGGCCTCATCGCCACCCAGCTG
CTCTTCTACTGGAATGCAAAGCCTCCCCACAAGCAGAAAAAGGCGCAGTAGAGCCAGCTA
CTGGAGTCATTCCGTTTCCACTATTCACCCAACCTCAGGGTTCTCCCCATCTGAGCCAG
CCTGCTGGTGTGACTTACTCATCTCCATTCTCTGCAGTCTGAGACTTTCTGAGCCAGG
GTTTTCTTTAGTGAAACAAAATGGTTGATGGATCCAGATCCTTAGAAAAGGAGAGGATG
GGGGTAGAGTCTCCCAAGCCAAAATTTTGACATTTGAGTGCTTTTCGTAAGCCCTGTACAT
GTACTATTAATTCAGTCATTCAGCCAAGCCTCCTCTAGCAGCAATTTCCAGTGT
AACACTATCCTGGGCAAATGTTTTACCCTGTCTCCAGCCTCCCTGCTTCCCTTCTGGCC
CTGGAAGACTGAGTCTGGACGGCAGAGTGGAGGGACTGGGAGGCTGTGGTGCCTCCCTC
CCTCAGCCCGGCTGGGACTGTCTCCCGACCCAGTGTGGGGTGGGGGAAGGGGACGG
AGAATGACTCAGGCAGGGCCCCAGGGTGGGGTGGAGGTTTCTGCTCTGGCAGGTCTAG
GCGGAAGGGAGTGGAGATGGGGCTGGTTCTGCTGCAGTGGGGGAACAGATGGGACAAT
AAAGACTGGAGACTCAGTTGAATAATAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire



[View online »](#)

ACCN:	NM_004870
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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_004870.2</u> , <u>NP_004861.2</u>
RefSeq Size:	1451 bp
RefSeq ORF:	744 bp
Locus ID:	9526
UniProt ID:	<u>O75352</u>
Cytogenetics:	17p13.1
Protein Families:	Transmembrane
Gene Summary:	<p>This gene encodes an endoplasmic reticulum membrane protein that is required for utilization of the mannose donor mannose-P-dolichol in the synthesis of lipid-linked oligosaccharides and glycosylphosphatidylinositols. Mutations in this gene result in congenital disorder of glycosylation type If. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2008]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1).</p>