

Product datasheet for MR202825

Pudp (NM_026108) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pudp (NM_026108) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Pudp
Synonyms: 1700121L12Rik; GS1; Hdhd1; Hdhd1a; Pudp
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR202825 representing NM_026108
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGCGGCAGTTCCTGTGCCCAATTCGACCAGTTACACACCTGATATTTGACCTGGACGGACTTA
 TTCTGAATACTGAAGATTTATATACCGATGTGTTGAAGAAATATGCAATCGCTATGGGAAGAAATACAA
 CTGGGATGTTAAGTCCCTGGTCATGGGAAGAAGGCTCTAGAAACCGCACAGACCATAGTAGAGTTCCTC
 AATTTACCCATATCCAAAGAAGAACTATTGAAAGAAAGTCAGGAGAAGCTGCAGATGGTGTGCACACAG
 CTGGATTCATGCCAGGAGCTGAGGAATTGATCCACCACCTGAAGAAACACCGCTTACCCTTTGCCCTGGC
 CACCAGCTCCGAGACCGTTACCTTCCAAACAAAGACCAGTAGACACACAGGATCTTTGGTCTATTTAC
 CACATCGTTCTGGGGATGATCCTGAAGTAAAGAATGGCAAGCCAGGCATGGACATATTTCTAACCTGTG
 CCAAGAGGTTCTCTCCTCCCCTGATCCAAAGACTGCCTCGTCTTTGAAGATTCTCCAAATGGAGTGGA
 GGCAGCCATCCACTGTGGGATGCAGGTCGTATGGTACCTCATGAAAACCTGAGCGCAGACCTAACACGA
 AAAGCCACCCTGGTGCTGAGTTCCTCCACGACTTCAAGCCTGAAGTGTGGTCTACCTGCCTTACGG
 AA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR202825 representing NM_026108
 Red=Cloning site Green=Tags(s)

MAAAVPVPQFRPVTHLIFDLDGLILNTEDLYTDVFEEICNRYGKKYNWDVKSLVMGKKALETAQTIVEFL
 NLPISKEELLKESQEKLMVLHTAGFMPGAEEIHHLLKHLRPFALATSSSETVTFQTKTSRHTGFFGLFH
 HIVLGDDPEVKNGKPGMDIFLTCAKRFSPPPDPKDCLVFEDSPNGVEAAIHCGMQVVMVPHENLSADLTR
 KATLVLSSLHDFKPELFGLPAFTE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9059_g05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_026108

ORF Size: 702 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_026108.3](#), [NP_080384.2](#)

RefSeq Size: 1044 bp

RefSeq ORF: 705 bp

Locus ID: 67365

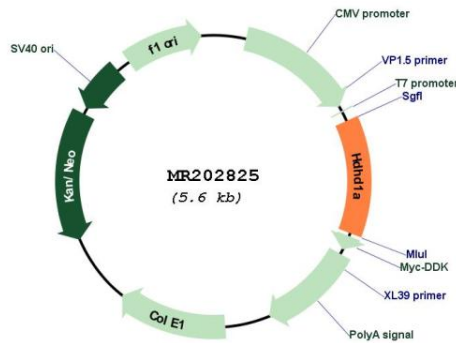
UniProt ID: [Q9D5U5](#)

Cytogenetics: 18 D1

MW: 26.2 kDa

Gene Summary: Dephosphorylates pseudouridine 5'-phosphate, a potential intermediate in rRNA degradation. Pseudouridine is then excreted intact in urine.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR202825