

Product datasheet for MR211476

Dpyd (NM_170778) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dpyd (NM_170778) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dpyd
Synonyms:	A1315208; DPD; E330028L06Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211476 representing NM_170778 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGGTGTGCTGAGCAGGGACGCGCCGACATCGAGAGTATCCTGGCTTTAAACCCTCGAGTACAAG
CTCATGCAACTCTGCGTTCACCCGAGCCAAGAACTAGACAAGAACTGGAAAAGGAACACGGACAA
GAACTGCTTTACCTGTGAGAAGCTGGAGAGTAATTTTGATGACATCAAGCACACGACTCTGGTGAGCGA
GGAGCTCTCCGAGAAGCAGTGAGATGCCTGAAGTGCAGATGCTCCCTGCCAGAAGAGCTGTCCACAT
CTCTTGACATTAATCATTATCACAAGTATCGCCAACAAGAAGTACTATGGTGCAGCTAAGCTGATTTT
TCTGATAAACCTCTTGGTCTTACTTGTGGAATGGTTTGTCCAACATCTGACCTCTGTGTTGGAGGATGC
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GAATCTGTCAACGATGGAAAGCAAGCTTCATGGTACATTCACAAGCACATACAGGCACAATATGGAACCT
 CAGTGCCTTCTCAGCCTACAATGCCCTATTTTACTCCGGTTGACTTAGTGGACATCAGCGTGGAAAT
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 TGGATTACAAGGATGACGACGATAAGGTTAA

Protein Sequence:

>MR211476 representing NM_170778
 Red=Cloning site Green=Tags(s)

MAGVLSRDAPDIESILALNPRVQAHTLRSTAACKLDDKHKWRNTDKNCFTEKLESNFDDIKHTTLGER
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 ALRCGALRVFIVFRKGFVNIRAVPEEMELAKEEKEFLPFLSPRVIVKDGKIVAMQFVRTEQDETGNWV
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 KSIEELADWDGQSPPIISHQKGPVPRVAELMGQKLPSPFGPYLEQRKKIIAASKIRQKDQNTACSPLQRK
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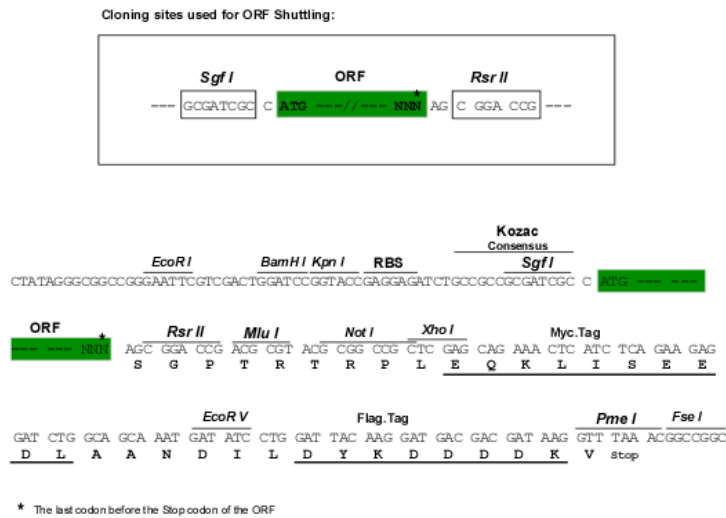
Chromatograms:

https://cdn.origene.com/chromatograms/mm9097_c03.zip

Restriction Sites:

SgfI-RsrII

Cloning Scheme:



ACCN: NM_170778

ORF Size: 3075 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_170778.3](#)

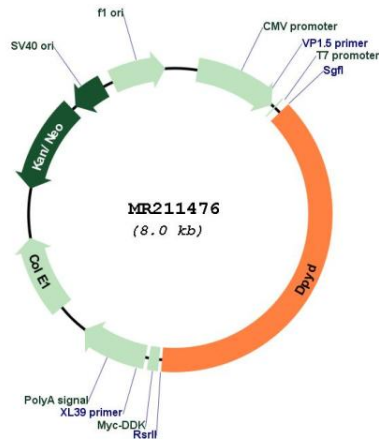
RefSeq Size: 4437 bp

RefSeq ORF: 3078 bp

Locus ID: 99586

UniProt ID: Q8CHR6
 Cytogenetics: 3 G1
 MW: 111.3 kDa
 Gene Summary: Involved in pyrimidine base degradation. Catalyzes the reduction of uracil and thymine (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR211476