

Product datasheet for **MR226162**

Dbh (NM_138942) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dbh (NM_138942) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dbh
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR226162 representing NM_138942
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGCAAGCTCATCTCAGCCACCAGCCTTGTGGAGCAGCCTCCAAGCCCCAGTGTCCGTGAGGCGGCTT
 CCATGTACGGCACTGCTGTGGCCATCTTCTGGTCATCCTGGTGGCTGCACTGCGGGGCTCGGAGCCTCC
 AGAGAGCCCTTCCCCTACCACATCCCCCTGGACCCCGAAGGGATTTTAGAGCTCTCATGGAACGTCAGC
 TATGTCCAGGAGATCATCCACTTCCAGCTCCAGGTGCAAGGGCTGAGGGCTGGGGTCTGTGTTGGAATGT
 CAGATCGAGGAGAGATGGAGAACGCAGATCTCATCATGCTCTGGACTGATGGGGACAGGGCTACTTTGCG
 GGATGCCTGGAGTGACCGGAAAGGGCAGATCCATCTGGATTCCCAGCAAGACTACCAGCTGCTCCAGGCA
 CAGAGGACTCGAGATGGCTGTCCCTGCTCTTCAAGAGGCCCTTGTACCTGTGACCCCAAGGATTATG
 TCATTGAGGATGACACTGTCCATCTAGTGTATGGGATCTTGAAGAGCCATTTAGTGCCTGGAGGCCAT
 CAACACCTCAGGCTGCATACAGGGCTGCAGCGGGTGCAGCTTCTGAAGTCTGAGTCCCCACTCCATCC
 ATGCCTGAGGATGTACAACCATGGATATCCGGGCTCCTGACATCCTCATCCCCGACAATGAGACCACGT
 ACTGGTGTATATCACTGAGCTACCCCCAGCTTCCCCCGACACCACATCATCATGTATGAGGCCATTGT
 CACTGAGGGCAATGAGGCCCTGGTGACCACATGGAGGTCTTCCAATGTGCAGCTGAGTCTGAGGACTTC
 CCCCAGTTCAACGGACCTGTGACTCCAAAATGAAGCCTGACCGACTCACTACTGCCGGCAGCTGCTGG
 CAGCATGGGCCCTGGGTGCCAAGGCATTTTACTACCCAAAAGAAGCTGGTGTCCCTTTGGGGGCCCGGG
 GTCCTCCCCGTTTCTCCGACTGGAAGTTCATTACCACAACCCACGGAAGATACAAGGCCGGCAGGACTCC
 TCTGGCATCCGCCTACACTACACAGCTACTCTCCGACGCTATGATGCGGGCATCATGGAGCTCGGACTGG
 TGTATACACCCCTTGATGGCCATCCCCCTCAGGAGACTGCCTTTGTGTTGACCGGCTACTGCACAGACAA
 GTGCACCCAGATGGCACTGCAGGACTCCGGAATCCACATCTTTGCCTCTCAGCTTATACACACCTGACG
 GGCAGGAAGGTGTTACTGTGCTCGCCAGGGATGGCCAAGAGAGGAAGGTGGTGAACAGGGACAACCACT
 ACAGCCCCCACTTCCAGGAGATCAGAATGCTGAAGAAGTTGTGACAGTCTACCCGGGGGACGTACTCAT
 CACTTCATGCACATACAACACAGAAAACAAGACGCTGGCCACAGTGGGGGGTGGGAATCTTGGAGGAG
 ATGTGTGCAACTATGTGCACTACTACCCACAGACAGAGCTGGAAGTCTGCAAGAGTGGCGTGGACGACG
 GCTTCTACAGAAATACTTCCACATGGTAAACAGGTTCCAGCAGTGGAGGTTGACCTGCCCTCAGGC
 CTCAGTCCCCCAGCAGTCTCCTCCGTGCCCTGGAAGTCTTCAATCGGGATATGCTCAAGGCTCTGTAT
 GACTACGCCCTATCTCCATGCATTGCAACAAGACTTCTGCTGTCCGCTTCCCGGTGAGTGAATCTGC
 AGCCTTTGCCTAAGATCACCTCCAGCTGGAAGAACCACCCACGCTGCCCATCCGACAGACTCAGAG
 CCCCCTAACCCCACTGTGCCATCACAACAGAGGCAGATGCTGAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR226162 representing NM_138942
 Red=Cloning site Green=Tags(s)

MQAHL SHQPCWSSLPSPSVREAASMYGTAVAI FLVILVAALRGSEPPESPFPYHIPLDPEGILELSWNVS
 YVQEI IHFQLQVQGLRAGVLF GMSDRGEMENADL IMLWTDGDRAYFADAWSDRKGQIHLDSQQDYQLLQA
 QRTRDGLSLLFKRPFVTCDPKDYVIEDDTVHLVYGILEEFPQSLEAINTSGLHTGLQRVQLLKSEVPTPS
 MPEDVQTMDIRAPDILIPDNETTYWCYITELPPRFPRHHIIMYEAIIVTEGNEALVHHMEVFQCAAESEDF
 PQFNGPCDSKMKPDRLNYCRHVLAAWALGAKAFYYPKEAGVPPFGGPGSSPFLRLEVHYHNPRKIQGRQDS
 SGIRLHYTATLRRYDAGIMELGLVYTPLMAIPPQETAFLVTGYCTDKCTQMALQDSGIHIFASQLHHTLT
 GRKVVTVLARDGQERKVVNRDNHYSHPHQEIRMLKVVTVYPGDVLTISCTYNTENKTLATVGGFGILEE
 MCVNYVHYYPQTELELCKSAVDDGFLQKYFHMVNRFSSEEVCTCPQASVPQQFSSVPWNSFNDRMLKALY
 DYAPISMHCNKTSAVRFPGEWNLQPLPKITSTLEEPTPRCPIRQTQSPANPTVPITTEADAE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9008_b02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_138942

ORF Size: 1866 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_138942.3](#), [NP_620392.2](#)

RefSeq Size: 2282 bp

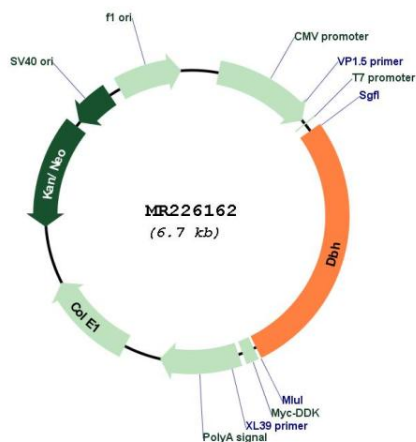
RefSeq ORF: 1869 bp

Locus ID: 13166

UniProt ID: [Q64237](#)

Cytogenetics: 2 19.29 cM
 MW: 70.8 kDa
 Gene Summary: Conversion of dopamine to noradrenaline.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR226162