

Product datasheet for **MG226162**

Dbh (NM_138942) Mouse Tagged ORF Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Dbh (NM_138942) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Dbh |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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ORF Nucleotide Sequence:

>MG226162 representing NM_138942
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGCAAGCTCATCTCAGCCACCAGCCTTGTGGAGCAGCCTCCAAGCCCAGTGTCCGTGAGGCGGCTT
 CCATGTACGGCACTGCTGTGGCCATCTTCTGGTCATCCTGGTGGCTGCACTGCGGGGCTCGGAGCCTCC
 AGAGAGCCCTTCCCCTACCACATCCCCCTGGACCCCGAAGGGATTTTAGAGCTCTCATGGAACGTGAGC
 TATGTCCAGGAGATCATCCACTTCCAGCTCCAGGTGCAAGGGCTGAGGGCTGGGGTCTGTGTTGGAATGT
 CAGATCGAGGAGAGATGGAGAACGCAGATCTCATCATGCTCTGGACTGATGGGGACAGGGCTACTTTGCG
 GGATGCCTGGAGTGACCGGAAAGGGCAGATCCATCTGGATTCCCAGCAAGACTACCAGCTGCTCCAGGCA
 CAGAGGACTCGAGATGGCTGTCCCTGCTCTTCAAGAGGCCCTTGTACCTGTGACCCCAAGGATTATG
 TCATTGAGGATGACTGTCCATCTAGTGTATGGGATCTTGAAGAGCCATTTAGTGCCTGGAGGCCAT
 CAACACCTCAGGCTGCATACAGGGCTGCAGCGGGTGCAGCTTCTGAAGTCTGAGTCCCCACTCCATCC
 ATGCCTGAGGATGTACAACCATGGATATCCGGGCTCCTGACATCCTCATCCCCGACAATGAGACCACGT
 ACTGGTGTATATCACTGAGCTACCCCCAGCTTCCCCCGACACCACATCATCATGTATGAGGCCATTGT
 CACTGAGGGCAATGAGGCCCTGGTGCACCACATGGAGGTCTTCCAATGTGCAGCTGAGTCTGAGGACTTC
 CCCCAGTTCAACGGACCTGTGACTCCAAAATGAAGCCTGACCGACTCACTACTGCCGGCAGCTGCTGG
 CAGCATGGGCCCTGGGTGCCAAGGCATTTTACTACCCAAAAGAAGCTGGTGTCCCTTTGGGGGCCCGGG
 GTCCTCCCCGTTTCTCCGACTGGAAGTTCATTACCACAACCCACGGAAGATACAAGGCCGGCAGGACTCC
 TCTGGCATCCGCCTACACTACACAGCTACTCTCCGACGCTATGATGCGGGCATCATGGAGCTCGGACTGG
 TGTATACACCCTTGATGGCCATCCCCCTCAGGAGACTGCCTTTGTGTTGACCGGCTACTGCACAGACAA
 GTGCACCCAGATGGCACTGCAGGACTCCGGAATCCACATCTTTGCCTCTCAGCTTATACACACCTGACG
 GGCAGGAAGGTGTTACTGTGCTCGCCAGGGATGGCCAAGAGAGGAAGGTGGTGAACAGGGACAACCACT
 ACAGCCCCCACTTCCAGGAGATCAGAATGCTGAAGAAGTTGTGACAGTCTACCCGGGGGACGTACTCAT
 CACTTCATGCACATACAACACAGAAAACAAGACGCTGGCCACAGTGGGGGGTGGGAATCTTGGAGGAG
 ATGTGTGCAACTATGTGCACTACTACCCACAGACAGAGCTGGAAGTCTGCAAGAGTGGCGTGGACGACG
 GCTTCTACAGAAATACTTCCACATGGTAAACAGGTTCCAGCAGTGGAGGTTGCACTGCCCCTCAGGC
 CTCAGTCCCCCAGCAGTCTCCTCCGTGCCCTGGAAGTCTTCAATCGGGATATGCTCAAGGCTCTGTAT
 GACTACGCCCTATCTCCATGCATTGCAACAAGACTTCTGCTGTCCGCTTCCCGGTGAGTGAATCTGC
 AGCCTTTGCCAAGATACCTCCAGCTGGAAGAACCCACCCACGCTGCCCATCCGACAGACTCAGAG
 CCCCCTAACCCCACTGTGCCATCACAACAGAGGCAGATGCTGAA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG226162 representing NM_138942
 Red=Cloning site Green=Tags(s)

MQAHLSHQPCWSSLPSPSVREAASMYGTAVAIIFLVILVAALRGSEPPESPFPYHIPLDPEGILELSWNVS
 YYQEIIHFQLQVQGLRAGVLFMSDRGEMENADLIMLWTDGDRAYFADAWSDRKGQIHLDSQQDYQLLQA
 QRTRDGLSLLFKRPFVTCDPKDYVIEDDTVHLVYGILEEFPQSLEAINTSGLHTGLQRVQLLKSEVTPS
 MPEDVQTMDIRAPDILIPDNETTYWCYITELPPRFPRHHIIMYEAIIVTEGNEALVHMEVFQCAESED
 PQFNGPCDSKMKPDRLNYCRHVLAAWALGAKAFYYPKEAGVPPFGGPGSSPFLRLEVHYHNPRKIQGRQDS
 SGIRLHYTATLRRYDAGIMELGLVYTPPLMAIPPQETAFLVLTGYCTDKCTQMALQDSGIHIFASQLHHTLT
 GRKVVTVLARDGQERKVVNRDNHYSHPHFQEIIRMLKKVVTYYPGDVLITSTYNTENKTLATVGGFGILEE
 MCVNYVHYYPQTELELCKSAVDDGFLQKYFHMVNRFSSEEVCTCPQASVPQQFSSVPWNSFNDRMLKALY
 DYAPISMHCNKTSAVRFPGEWNLQPLPKITSTLEPTPRCPIRQTQSPANPTVPIITTEADAE

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

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|-------------------------------|---|
| 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: | <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: | 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 |
| Gene Summary: | Conversion of dopamine to noradrenaline.[UniProtKB/Swiss-Prot Function] |