

Product datasheet for **MR226064**

Ddc (NM_016672) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ddc (NM_016672) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ddc
Synonyms:	Aadc
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR226064 representing NM_016672
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGATCCCCTGAATCCGGAGGAGAGGCAAGGAGATGGTGGATTATATAGCTGACTATCTGGATGGCA
 TTGAGGGTCGTCCAGTGTACCCTGATGTGGAGCCTGGCTATCTTCGGCCCTGATCCCTGCCACTGCCCC
 CCAGGAGCCAGAAACATACGAGGACATAATCAAAGACATCGAGAAGATAATCATGCCAGGGGTGACACAC
 TGGCACAGTCCCTATTTCTCGCTTACTTCCCCACGGCTAGCTCATACCCAGCTATGCTTGCAGACATGC
 TGTGTGGTGTATTGGCTGCATTGGTTTCTCCTGGGCTGCAAGCCAGCGTGCACAGAGCTGGAGACCGT
 GATGATGGACTGGCTGGGAAGATGCTGGAGCTGCCAGAGGCCTTTTGGCTGGAAGAGCTGGGGAAGGG
 GGAGGAGTGATCCAGGGAAGTCCAGTGAAGCCACCTTGGTGGCCCTACTGGCTGCTCGGACTAAAGTTA
 TCCGCCAGCTGCAGGCAGCCTCCCAGAGTTCACACAAGCTGCTATCATGAAAAGCTGGTTGCTTACAC
 ATCTGATCAGGCGCATTCTCTGTAGAAGAGCTGGGTTAATTGGTGAATAAAGCTAAAAGCAGTCCCT
 TCGGATGGCAACTTTTCCATGAGAGCTTCTGCCCTTCGGGAAGCCCTGGAGCGGACAAGGCAGCTGGCC
 TGATTCCATTCTTTGTGGTCTGCTACACTGGGGACCACATCCTGCTGTTCTTTTGACAATCTCCTGGAAGT
 GGGTCCCCTGCAACCAGGAGGGTGTGTGGTGCACATTGACGCTGCTTACGCGGGCAGTGCCTTTATC
 TGTCTGAATCCGGTATCTTCTGAATGGTGTGGAGTTTGAGATTCTTTAACTTTAATCCCCACAAGT
 GGCTTTTGGTGAATTTGACTGCTCTGCCATGTGGGTGAAGAGGAGGACTGACTTAACCGGAGCCTTTAA
 TATGGACCCTGTTATCTAAAGCACAGTACCAGGACTCAGGATTCATCACTGACTACAGGCACTGGCAG
 ATCCCAGTGGGGCAGCAGTTCGCTCTTTGAAAATGTGGTTTGTTTTGAATGTACGGAGTCAAGGGGC
 TGCAGGCTTACATCCGAAAGCACGTGGAGCTGTCTCATGATTTGAGTCACTGGTACGCCAGGACCTCG
 CTTTGAATTTGCACAGAAGTATTCTTGGGTTGGTCTGCTTCCGGCTAAAGGGCTCCAATGAGTTGAAC
 GAAACTCTTTACAAAGAATAAACAGCGCCAAAAAATCCAATTGGTTCCATGTCGCTCTCCGAGACAAGT
 TTGTGCTACGCTTTGCTGTGTGCGCTCGCACTGTGGAGTCTGCCACGTGCAGCTGGCCTGGGAACACAT
 CAGTGATCTAGCAAGCAGTGTGCTGAGGGCAGAGAAAAGAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR226064 representing NM_016672
 Red=Cloning site Green=Tags(s)

MDSREFRRRKEMVDYIADYLDGIEGRPVYPDVEPGYLRPLIPATAPQEPETYEDIKIDIEKIIMPGVTH
 WHSPYFFAYFPTASSYPAMLADMLCGAIGCIGFSAASPACTELETVMMDWLKMLELPEAFLAGRAGEG
 GGVIQGSASEATLVALLAARTKIRQLQAASPEFTQAAMEKLVAYTSDQAHSSVERAGLIGGIKLVKAVP
 SDGNFSMRASALREALERDKAAGLIPFFVATLGTSSCSFDNLLVGPICNQEGLVHIDAAYAGSAFI
 CPEFRYLLNGVEFADSFNPNPKWLLVNFDCSAMWVKRRDLDLGTAFNMDPVYLVKSHQDSGFITDYRHWQ
 IPLGRRFRSLKMWVFRMYGVKGLQAYIRKHVELSHEFESLVRQDPRFEICTEVILGLVCFRLKGSNELN
 ETLQRINSAKKIHLVPCRLRDKFVLRFAVCARTVESAHVQLAWEHISDLASSVLRAEKE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9036_b05.zip

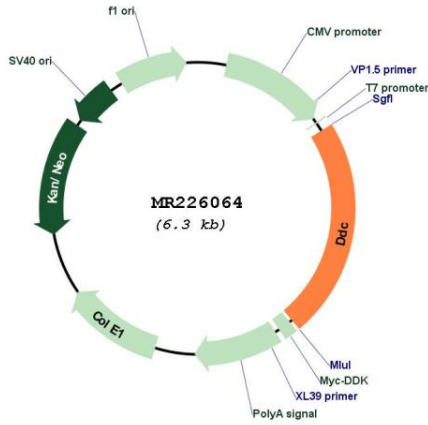
Restriction Sites:

Sgfl-Mlul

MW: 54.3 kDa

Gene Summary: Catalyzes the decarboxylation of L-3,4-dihydroxyphenylalanine (DOPA) to dopamine, L-5-hydroxytryptophan to serotonin and L-tryptophan to tryptamine.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR226064