

Product datasheet for **MC205245**

Dct (NM_010024) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dct (NM_010024) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dct
Synonyms:	DT; slaty; slt; TRP-2; TRP2; Tyrp-2; Tyrp2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC067064
 GAACTGAGGCCATGCTTCGGATGAAATTAATCAGTGTTAGTTGTTTGGAGTACATAAAATTGCATGTGC
 GTGTACACATGTGCACACGTGTAGGCTCTGTGATTTAGGTGGAAATTTGAGAGGAGAGGAAAGGGCTAG
 AACTAAACCCAAAGAAAAGGAAAGAGAAGAGGAAAGGAAAGAAAAAGAAAAGGCAATTTGAGTGAG
 TAAAGTTCCAGAACTCAGGAGTGAAGACAAGGAGTAAAGTCAGACAGAAACCAGGTGGGACGCCGGGC
 CAGGCCCTCCCAATTAAGAAGGCATGGGCCTTGTGGATGGGGCTTCTGCTGGGTGTCTGGGCTGCGGA
 ATTCTGCTCAGAGCTCGGGCTCAGTTTCCCGAGTCTGCATGACCTTGGATGGCGTGTGAACAAGGAAT
 GCTGCCCGCCTCTGGGTCCCAGGCAACCAACATCTGTGGATTTCTAGAGGGCAGGGGGCAGTGCCGAGA
 GGTGCAAACAGACACCAGACCCTGGAGTGGCCCTTATATCCTTCGAAACCAGGATGACCGTGAGCAATGG
 CCGAGAAAATTCTTCAACCGGACATGCAAATGCACAGGAACTTTGCTGGTTATAATTGTGGAGGCTGCA
 AGTTCCGGTGGACCGGCCCGACTGTAATCGGAAGAAGCCGGCCATCCTAAGACGGAATATCCATCCCT
 GACTGCCCAGGAGAGGGAGCAGTTCTTGGGCGCCTTAGACCTGGCCAAGAAGAGTATCCATCCAGACTAC
 GTGATCACCACGCAACTGGCTGGGGTGTCTCGGACCAACGGGACCCAGCCCCAGATCGCCAACCTGCA
 GCGTGTATGACTTTTTTGTGGCTCCATTATTATTCTGTTTCGAGACACATTATTAGTCCAGGACGCC
 CTATAAGGCCATTGATTTCTCTACCAAGGGCCTGCCTTTGTACGTGGCACAGGTACCATCTGTTGTGG
 CTGGAAGAGAATCCAGAGACTCACTGCAATGAGTCCTTTGCGTTGCCCTACTGGAACTTTGAACCG
 GGAAGAACGAGTGTGACGTGTGCACAGACGAGCTGCTTGGAGCAGCAAGCAAGATGACCAACCGTGT
 TAGTCGGAACCGAGATTCTCTACCTGGGAGATTGTGTGCACAGCTTGGATGACTACAACCGCCGGGTC
 ACACTGTGTAATGGAACCTATGAAGTTTGTGAGAAGAAACAAAGTAGGCAGAAATAATGAGAACTGC
 CAACCTTAAAAATGTGCAAGATTGCCTGTCTCTCAGAAGTTTGACAGCCCTCCCTTCTCCAGAACTC
 TACCTTCAGCTTCAGGAATGCACTGGAAGGGTTGATAAAGCAGACGGAACACTGGACTCTCAAGTCATG
 AACCTTCATAACTTGGCTCACTCCTTCTGAATGGGACCAATGCCTTGCCACACTCAGCAGCCAACGACC
 CTGTGTTTGGTCCCTCCACTCTTTACAGACGCCATCTTTGATGAGTGGCTGAAGAGAAACAACCTTTC
 CACAGATGCCTGGCCTCAGGAACCTGGCACCCATTGGTCACAACCGAATGATAACATGGTCCCCTTCTC
 CCACCGGTGACTAATGAGGAGCTTTCCTAACCGCAGAGCAACTTGGCTACAATTACGCCGTTGATCTGT
 CAGAGGAAGAAGCTCCAGTTTGGTCCAACTCTCTCAGTGGTCAATTGGAATCCTGGGAGCTTTCGTCCT
 GCTCTTGGGGTTGCTGGCTTTTCTCAATACAGAAGGCTTCGCAAAGGCTATGCGCCCTTAAATGGAGACA
 GGTCTCAGCAGCAAGAGATACACGGAGGAAGCCTAGCATGCTCCTACCTGGCCTGACCTGGGTAGTAACT
 AATTACACCGTCGCTCATCTTGAGACAGGTGGAACCTTCAGCGTGTGCTCTTTAGTAGTGATGATGATG
 ATGCCTTAGCAATGACAATTATCTAGTTGCTGCTTTGCTTATTGTACACAGACAAAATGCTTGGGTCA
 TTCACCACGGTCAAAGTAAGGTGTGGCTAGTTATATGTGACCTTTGATTAAGTCTTATATTGAAAAA AAAAAAAAAAAAA

Restriction Sites: Ascl-NotI

ACCN: NM_010024

Insert Size: 1554 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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: [BC067064](#), [AAH67064](#)

RefSeq Size: 2113 bp

RefSeq ORF: 1554 bp

Locus ID: 13190

UniProt ID: [P29812](#)

Cytogenetics: 14 61.6 cM

Gene Summary: Catalyzes the conversion of L-dopachrome into 5,6-dihydroxyindole-2-carboxylic acid (DHICA) (PubMed:1537333). Involved in regulating eumelanin and phaeomelanin levels. [UniProtKB/Swiss-Prot Function]