

Product datasheet for **MR207963**

HsdI2 (BC002211) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HsdI2 (BC002211) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HsdI2
Synonyms:	2610207I16Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207963 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGCCAACACTGGGAAGCTAGCGGGATGCACAGTTTTTATCACAGGTGCAAGCCGAGGCATTGGCA
 AAGCAATTGCCTTGAAGCCGCAAAAGGATGGAGCCAATATTGTCATTGCTGCGAAGACCACCCAAAAGCA
 CCCGAACTCCTCGGCACAATCTACACGGCTGCTGAAGAAATTGAAGCAGCTGGAGGGACGGCCTTGCTT
 TGTGTTGTTGATGTGAGAGATGAACAGCAAATCAACAGTGCAGTGGAGAAAGCTGTGGAGAAATTTGGAG
 GAATTGATATTTTGGTGAACAATGCCAGTCTATTAGCTTGACCAACACGTTGGACACTCCGACCAAGAG
 AGTGGACTTGATGATGAATGTGAACACCAGGGCACCTACCTTACATCCAAGCATGTATTCCTTTTTTA
 AAAAAGAGCAAAGTAGGTCAATTTCTCAATCTCAGCCACCCCTGAACCTAAACCCACTGTGTTTCAAAC
 AGCACTGTGCTTATACCATTGCCAAATATGGCATGTCTATGTGTGTGCTGGGATGGCTGAAGAATTTAG
 AGGTGAAATTGCAGTCAATGCCTTATGGCCTAGAACAGCCATTACACTGCTGCTATGGATATGCTGGGA
 GGATCTGGTGTGAAAACCAATGTGAAAAGTTGACATCATTGCGGACGCTGCATATTCCATTTTCAAAA
 GGCAAAAAGTTTTACTGGCAACTTTATTATTGATGAAAATATCTTAAAAGAAGAAGGAATAAAAATTT
 TGATGTCTACGCAATTGCACCAGGTCAATCCCTGTTACCGGATTTCTTCTTAGATGAACACCCAGATGCA
 GTTATGGAGGAGAAAGAATCAAATGACTCTGTGCCAGAAGTGAAGAAGAGAAGCTGCAGCTGCAGGAGG
 AGTCACAGCTACAGAAGCAGCCACAGCTGCAGGAGCAGCCACAGCTGCAGGAGAAGCCACAGCTGCAGGA
 GAAGCCACAGCTGCAGGAGCAGCCACAGCTGCAGCAGCAGCCACAGCTGCAGGAGAAGCCACAGCTGCAG
 GAGCAGCCACAGCAACGGGAACAGCCACAGCTGCAGCAGCAGCCACGGCCACGGCAACAGCCACAGCCAT
 TTGTGCAGTCAATGCTACCACAAAACCAATTTTGGAGCTGTGGAAGAACAATTTAGAATTTGTTAAGGA
 CTCTCTCAGTGATGAAGTTGTTAGAGCGACACAAGCTGTCTATCAGTTTGAACCTCAGGTGAAGATGGT
 GGTACGTGGTTTTCTGATCTAAAGAGCAAAGCGGGAAGTTGGACACGGAGAGCCCTCTGACCGGGCAG
 ACGTGGTGTGATGATGGCCACTGATGATTTTGTCAAATGTTTTCAGGGAAATTAAGCCAACCATGGC
 ATTTATGTCAGGAAAGTTGAAGATTAAGGAAACATAGCCCTAGCAATCAAATTGGAGAAGCTAATGACC
 CAGATGAATTCTAGACTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207963 protein sequence
 Red=Cloning site Green=Tags(s)

MLPNTGKLAGCTVFITGASRGIGKAIKAAKDGANIVIAAKTTQKHPKLLGTIYTAEEIEAAGGTALP
 CVVDVRDEQQINSAVEKAVEKFGGIDILVNNASAI SLTNTLDTPTKRVDLMMNVNTRGYLTSKACIPFL
 KKSQVGHILNLSPLNPLNPLWFKQHCAAYIAKYGMSMCVLMGAEFRGEI AVNALWPRTAIHTAAMDMLG
 GSGVENQCRKVVDIADAAYSIFKRPKSFTGNFIIDENILKEEGIKNFDVYAIAPGHPLLPDFFLDEHPDA
 VMEEKESNDSVPEVKEEKLQLQEESQLKQPQLQEQPQLQEQPQLQEQPQLQEQPQLQQQPQLQEQPQLQ
 EQPQQREQPQLQQPRPRQPQPFVQSMLPQKPHFGAVEETFRIVKDSLSEVVVRATQAVYQFELSGEDG
 GTWFLDLKSKGGKVGHGEPDRADVVMSMATDDFVKMFSGLKPTMAFMSGKLIKGNIALAIKLEKLMT
 QMNSRL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: BC002211

ORF Size: 1488 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: [BC002211](#), [AAH02211](#)

RefSeq Size: 1893 bp

RefSeq ORF: 1490 bp

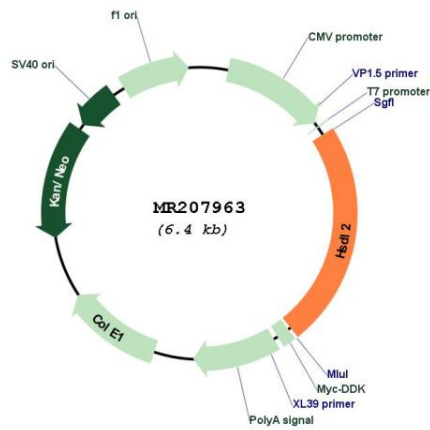
Locus ID: 72479

Cytogenetics: 4 B3

MW: 54.9 kDa

Gene Summary: Has apparently no steroid dehydrogenase activity.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207963