

Product datasheet for MC227322

HsdI2 (NM_001301367) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: HsdI2 (NM_001301367) Mouse Untagged Clone
Tag: Tag Free
Symbol: HsdI2
Synonyms: 2610207116Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC227322 representing NM_001301367
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGAATGTGAACACCAGGGGCACCTACCTTACATCCAAGCATGTATTCCTTTTTAAAAAGAGCA
 AAGTAGGTCATATTCTCAATCTCAGCCACCCCTGAACCTAAACCCACTGTGGTTCAAACAGCACTGTGC
 TTATACCATTGCCAAATATGGCATGTCTATGTGTGTGCTTGGGATGGCTGAAGAATTTAGAGGTGAAAT
 GCAGTCAATGCCTTATGGCCTAGAACAGCCATTACACTGCTGCTATGGATATGCTGGGAGGATCTGGTG
 TTGAAAACCAATGTAGAAAAGTTGACATCATTGCGGACGCTGCATATTCCATTTTCAAAGGCCAAAAAG
 TTTTACTGGCACTTTATTATTGATGAAAATATCTTAAAAGAAGAAGGAATAAAAAATTTTGATGTCTAC
 GCAATTGCACCAGGTCATCCCTTGTTACCGGATTTCTTCTTAGATGAACACCCAGATGCAGTTATGGAGG
 AGAAAGAATCAAATGACTCTGTGCCAGAAGTAAAAGAAGAGAAGCTGCAGCTGCAGGAGGAGTCACAGCT
 ACAGAAGCAGCCACAGCTGCAGGAGCAGCCACAGCTGCAGGAGAAGCCACAGCTGCAGGAGAAGCCACAG
 CTGCAGGAGCAGCCACAGCTGCAGGAGAAGCCACAGCTGCAGGAGCAGCCACAGCAACCGGAACAGCCAC
 AGCTGCAGCAGCAGCCACGGCCACGGCAACAGCCACAGCCATTTGTGCAGTCAATGCTACCACAAAAACC
 ACATTTTGGAGCTGTGGAAGAAACATTTAGAATTGTTAAGGACTCTCTCAGTGATGAAGTTGTTAGAGCG
 ACACAAGCTGTCTATCAGTTTGAAGTCTCAGGTGAAGATGGTGGTACGTGGTTTCTTGATCTAAAGAGCA
 AAGGCGGGAAGGTTGGACACGGAGGCCCTCTGACCGGGCAGACGTGGTGTGATGAGTATGGCCACTGATGA
 TTTTGTCAAAATGTTTTAGGGAAATTAAGCCAAACCTGGCATTATGTGAGGAAAGTTGAAGATTAAAG
 GAAACATAGCCCTAGCAATCAAATTGGAGAAGCTAATGACCCAGATGAATTCTAGACT**ATGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001301367



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Insert Size:	1113 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001301367.1, NP_001288296.1</u>
RefSeq Size:	2714 bp
RefSeq ORF:	1113 bp
Locus ID:	72479
Cytogenetics:	4 B3
Gene Summary:	Has apparently no steroid dehydrogenase activity.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) has an additional exon in the 5' region, which causes translation initiation at a downstream in-frame start codon, compared to variant 1. The encoded protein (isoform 2) is shorter at the N-terminus than isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.