

Product datasheet for **RR204318**

Hsd3b7 (NM_139329) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hsd3b7 (NM_139329) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Hsd3b7
Synonyms: Cca2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR204318 representing NM_139329
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCAGACTCTGCACAGGTGCCAGCACTGGTATACCTGGTCACAGGTGGCTGTGGCTTCTGGGGGAGC
 ATATTGTTCGAATGCTGCTGGAGTGGGAGCCAGGCTCCGGGAGCTGCGTGTCTTTGACCTGCACCTGAG
 TTCTTGGCTGGAGGAGCTGAAAACAGGGCCTGTGCAGGTGACTGCCATCCAGGGGATGTGACTCAGGCC
 CACGAGGTGGCAGCAGCCATGGCTGGATCTCATGTGGTCATCCATACAGCTGGGCTGGTAGATGTGTTT
 GGAAGGCCAGTCCAGAGACCATCCACAAAGTCAATGTGCAGGGCACACAGAATGTGATTGACGCTTGTGT
 GCAGACCGGGACTCGGCTCCTGGTCTACACGAGTAGCATGGAAGTGGTAGGGCCTAATGTCAAGGGCCAC
 CCCTTCTACAGGGGCAATGAAGACACCCCATATGAGGCCATCCACAGGCATCCCTACCCATGTAGCAAGG
 CCCTCGCTGAGCAGTTGGTCTCGAGGCCAATGGAAGGAAGGGACTGCGCTTTGGAGGTCGGCTGTTTCG
 GGCCATCCAGCTTCCGTGGAGCATGGTCGGGTCTACGTTGGCAATGTGGCTTGGATGCATATACTGGT
 GCGGAGAGCTGGAGCAGCGGGCAGCACTCATGGGTGGCCAGGTGATTTCTGCTATGATAAGTCACTT
 ATAAAAGCTACGAGGACTCAACATGGAGTTTCTGAGTCCCTGTGGACTCGGCTGATAGGCACCCACC
 ACTGTGCCCCACTGGCTACTGGTGTGCTGACTGCCCTCAACGCTCTGCTGCAGTGGCTGCTTCGGCCC
 CTGGTGTGTACACACCCTGCTGAATCCCTACACTCTGGCTGTGGCCAACACCCTTTACTGTACAGCA
 CCAACAAGGCACAGCGCCATTTCCGGCTACAAGCCCTCTTCTCATGGGAAGAGAGCAGGGCCCGCACCAT
 TCACTGGGTGCAGGCCATGGAGGTTCCGCCTGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR204318 representing NM_139329
Red=Cloning site Green=Tags(s)

MADSAQVPALVYLVTGGCGFLGEHIVRMLLEWEPRLRELRVFDLHLSWLEELKTPVQVTAIQGDVTQA
 HEVAAAMAGSHVVIHTAGLVDVFGKASPETIHKVNVQGTQNVIDADCVQTGRLLVYTSSMEVVGPNVKGH
 PFYRGNEDTPYEAIHRHPYPCSKALAEQLVLEANGRKGLRFGRLFRAIPASVEHGRVYVGNVAMHILV
 ARELEQRAALMGQVYFCYDKSPYKSYEDFNMEFLSPCGLRLIGTHPLLPYWLLVLLTALNALLQWLLRP
 LVLYTPLLNPYTLAVANTFTVSTNKAQRHFGYKPLFSWEE SRARTIHWVQAMEGSAW

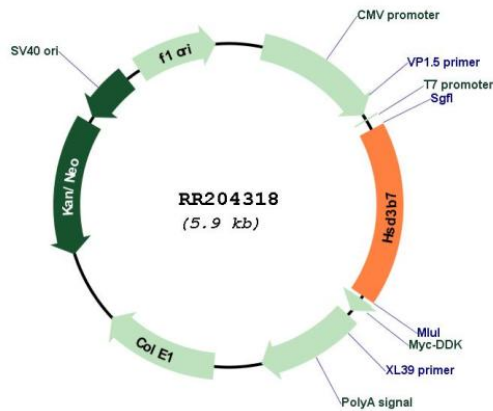
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_139329

ORF Size: 1014 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:	<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_139329.1 , NP_647545.1
RefSeq Size:	1795 bp
RefSeq ORF:	1017 bp
Locus ID:	246211
UniProt ID:	O35048
Cytogenetics:	1q37
MW:	37.8 kDa
Gene Summary:	protein that is expressed in under growth-arrest conditions [RGD, Feb 2006]