

Product datasheet for **MG224793**

Hsd17b3 (NM_008291) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hsd17b3 (NM_008291) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Hsd17b3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG224793 representing NM_008291 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGAAGCTCTTCATTGCTGCAGGGCTCTTCGTGGCCTGGTTTGCCTGGTGAAGTGCATGAGGTTCT
CGCAGCACCTTTTTCTGAGGTTCTGCAAGGCTTTGCCAAGCTCTTCTCGCATCAATGGGACAATGGGC
AGTGATTACCGGAGCAGGCGATGGCATCGGAAAGCCTATTCATTTGAGTTGGCCAGACATGGACTCAAT
GTTGTACTTATTAGTCGGACACTGGAAAAGCTACAGACCATTGCAGAAGAGATTGAGAGGACCCTGGAA
GCTGTGTGAAGATTGTACAAGCAGATTTTACCAGAGAAGACATCTATGACCATATTAAGAACACCTTGA
AGGCTTAGAAATAGGAATTTTAGTCAACAACGTTGGAATGCTCCCGAGCTTTTTCCCAAGCCATTTCTCTG
AGCACTTCCGGTGAGAGCCAGAATCTCATCCACTGCAACATTACCTCCGTAGTCAAGATGACACAGCTTG
TTCTCAAACACATGGAGTCAAGGAGGAAAGGCCTCATCTTGAATATTTCTTCAGGCGCAGCCCTTCGTCC
CTGGCCTCTTTACAGCCTGTAAGGCTTCAAGGCTTTTGTGTACACATTTTCCAAGGCTCTGAGTGTG
GAATACAGAGATAAAGGAATCATTATTCAGGTGCTGACCCTTATTCTATTTCAACCCCAATGACAAAGT
ACCTAAATAACAAGATGACCAAGACCGCCGATGAGTTTGTAAAGAATCCTTGAATATGTCACGATCGG
AGCTGAATCCTGTGGCTGCCTTGCTCATGAAATCATTGCAATAATTCTGAACCGGATCCCTCCAGAATC
TTCTATAGCAGCACCGCTCAACGATTCTCTGACACGATACTCAGATTACCTCAAACGCAACATCAGCA
ACAGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG224793 representing NM_008291
 Red=Cloning site Green=Tags(s)

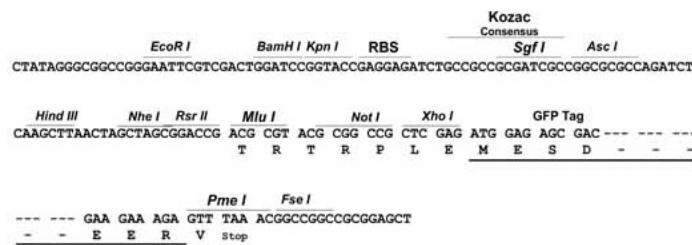
MEKLFIAAGLVGLVCLVKCMRFSQHLFLRFCKALPSSFLRSMGQWAVITGAGDGIGKAYSFELARHGLN
 VVLIISRTLEKLQITAAEEIERTTGSCVKIVQADFTREDIYDHIKEHLEGLIGILVNNVGMPLPSFFPSHFL
 STSGESQNLIHNCNITSVVKMTQLVLKHMESRRKGLILNISGAALRPWPLYSLYSASKAFVYTFKALSV
 EYRDKGIIIQVLTYPYSISTPMTKYLNNKMTKTADEFVKESLKYYVTIGAESCGLAHEIIAAILNRIPSRI
 FYSSTAQRFLLLTRYSDYLKRNISNR

TRTRPLE - GFP Tag - V

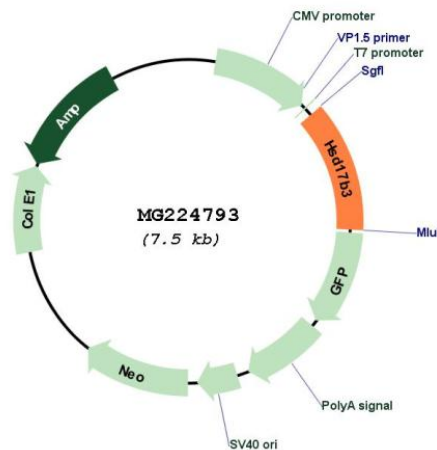
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_008291

ORF Size: 915 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_008291.3 , NP_032317.2
RefSeq Size:	1286 bp
RefSeq ORF:	918 bp
Locus ID:	15487
UniProt ID:	P70385
Cytogenetics:	13 B3
Gene Summary:	Favors the reduction of androstenedione to testosterone. Uses NADPH while the two other EDH17B enzymes use NADH.[UniProtKB/Swiss-Prot Function]