

Product datasheet for **RG205941**

HSD17B11 (NM_016245) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | HSD17B11 (NM_016245) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | HSD17B11 |
| Synonyms: | 17-BETA-HSD11; 17-BETA-HSDXI; 17BHSD11; DHRS8; PAN1B; RETSDR2; SDR16C2 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >RG205941 representing NM_016245 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAATTTCTTCTGGACATCCTCCTGCTTCTCCCGTTACTGATCGTCTGCTCCCTAGAGTCCTTCGTGA
AGCTTTTTATTCCCTAAGAGGAGAAAAATCAGTCACCGGCCGAAATCGTGCTGATTACAGGAGCTGGGCATGG
AATTGGGAGACTGACTGCCTATGAATTTGCTAAACTTAAAAGCAAGCTGGTTCTCTGGGATATAAATAAG
CATGGACTGGAGGAAACAGCTGCCAAATGCAAGGGACTGGGTGCCAAGGTTCATACTTTGTGGTAGACT
GCAGCAACCGAGAAGATATTTACAGCTCTGCAAAGAAGGTGAAGGCAGAAATGGAGATGTTAGTATTTT
AGTAAATAATGCTGGTGTAGTCTATACATCAGATTTGTTTGTACACAAGATCCTCAGATTGAAAAGACT
TTTGAAGTTAATGTAATTGCACATTTCTGGACTACAAAGGCATTTCTTCCTGCAATGACGAAGAATAACC
ATGGCCATATTGCACTGTGGCTTCGGCAGCTGGACATGTTTCGGTCCCCTTCTTACTGGCTTACTGTTC
AAGCAAGTTTGTCTGTGGATTTCAAAAACCTTTGACAGATGAACTGGCTGCCTTACAAAATACTGGA
GTCAAAACAACATGTCTGTGCTAATTTTCGTAACACTGGCTTCATCAAAAATCCAAGTACAAGTTTGG
GACCCACTCTGGAACCTGAGGAAGTGGTAAACAGGCTGATGCATGGGATTCTGACTGAGCAGAAGATGAT
TTTTATTCCATCTTCTATAGCTTTTTTAACAACATTGAAAGGATCCTTCCTGAGCGTTTCTCTGGCAGTT
TAAAACGAAAAATCAGTGTTAAGTTTGATGCAGTTATTGGATATAAAAATGAAAGCGCAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG205941 representing NM_016245
 Red=Cloning site Green=Tags(s)

MKFLLDILLLLPLLIVCSLESFVKLFIPKRRKSVTGEIVLITGAGHGIGRLTAYEFALKLSKLVLDINK
 HGLEETAACKCKGLGAKVHTFVVDSCNREDIYSSAKKVKAEIGDVSILVNNAGVVYTSDFATQDPQIEKT
 FEVNVLAHFWTTKAFLPAMTKNNHGHIVTVASAAGHVSVPFLLAYCSSKFAAVGFHKLTDELAALQITG
 VKTTCLCPNFVNTGFIKPNPSTSLGPTLEPEEVNRLMHGILTEQKMIFIPSSIAFLTTLERILPERFLAV
 LKRKISVKFDAVIGYKMKAAQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_016245

ORF Size: 900 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: [NM_016245.2](#), [NP_057329.1](#)

RefSeq Size: 1701 bp

RefSeq ORF: 903 bp

Locus ID: 51170

UniProt ID: [Q8NBQ5](#)

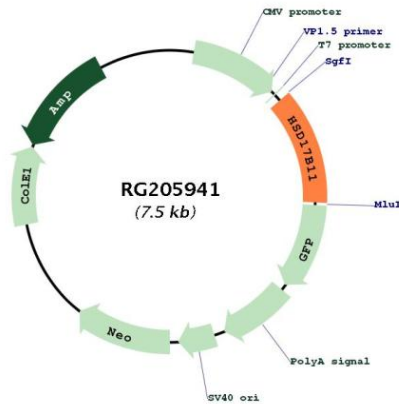
Cytogenetics: 4q22.1

Domains: adh_short

Protein Families: Druggable Genome, Secreted Protein

Gene Summary: Short-chain alcohol dehydrogenases, such as HSD17B11, metabolize secondary alcohols and ketones (Brereton et al., 2001 [PubMed 11165019]).[supplied by OMIM, Jun 2009]

Product images:



Circular map for RG205941