

Product datasheet for **RG202531**

HSD17B14 (NM_016246) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	HSD17B14
Synonyms:	DHRS10; retSDR3; SDR47C1
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG202531 representing NM_016246
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCTACGGGAACGCGCTATGCCGGAAGGTGGTGGTCGTGACCGGGGCGGGCGCGGCATCGGAGCTG
GGATCGTGCGCGCTTCGTGAACAGCGGGGCCGAGTGGTTATCTGCGACAAGGATGAGTCTGGGGGCCG
GGCCCTGGAGCAGGAGCTCCCTGGAGCTGTCTTATCCTCTGTGATGTGACTCAGGAAGATGATGTGAAG
ACCTGGTTTCTGAGACCATCCGCCGATTTGGCCGCTGGATTGTGTTGTCAACAACGCTGGCCACCACC
CACCCACACAGAGGCTGAGGAGACCTCTGCCAGGGATTCCGCCAGCTGCTGGAGCTGAACCTACTGGG
GACGTACACCTTGACCAAGCTCGCCCTCCCTACCTGCGGAAGAGTCAAGGGAATGTCATCAACATCTCC
AGCCTGGTGGGGCAATCGGCCAGGCCAGGCAGTTCCTATGTGGCCACCAAGGGGCGAGTAACAGCCA
TGACCAAAGCTTTGGCCCTGGATGAAAGTCCATATGGTGTCGAGTCAACTGTATCTCCCGAGAAACAT
CTGGACCCCGCTGTGGGAGGAGCTGGCAGCCTTAATGCCAGACCCTAGGGCCACAATCCGAGAGGGCATG
CTGGCCAGCACTGGGCCGATGGGCCAGCCGCTGAGGTCGGGGCTGCGGCAGTGTCTGGCCCTCCG
AAGCCAACCTCTGCACGGGCATTGAACTGCTCGTGACGGGGGTGCAGAGCTGGGGTACGGGTGCAAGGC
CAGTCGGAGCACCCCGTGGACGCCCGGATATCCCTTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >RG202531 representing NM_016246
Red=Cloning site Green=Tags(s)

MATGTRYAGKVVVVVTGGGRGIGAGIVRAFVNSGARVVICDKDESGGRALEQELPGAVFILCDVTQEDDVK
TLVSETIRRFGRLCDVNNAGHPPPPQRPEETSAQGFRQLLELNLGTYTLTKLALPYLRKSQGNVINIS
SLVGAIGQAQVPYVATKGAVTAMTKALALDESPYGVVNCISPGNIWTPLEELAALMPDPRATIREGM
LAQPLGRMGQPAEVGAAVFLASEANFCTGIELLVTGGAELGYGCKASRSTPVDAPDIPS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_016246

ORF Size: 810 bp

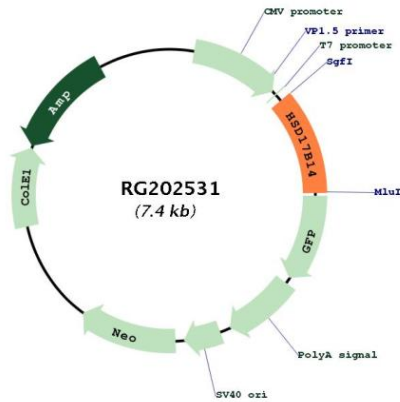
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_016246.3</u>
RefSeq Size:	1277 bp
RefSeq ORF:	813 bp
Locus ID:	51171
UniProt ID:	<u>Q9BPX1</u>
Cytogenetics:	19q13.33
Domains:	adh_short
Protein Families:	Druggable Genome
Gene Summary:	17-beta-hydroxysteroid dehydrogenases, such as HSD17B14, are primarily involved in metabolism of steroids at the C17 position and also of other substrates, such as fatty acids, prostaglandins, and xenobiotics (Lukacik et al., 2007 [PubMed 17067289]).[supplied by OMIM, Jun 2009]

Product images:



Circular map for RG202531