

Product datasheet for **RG210663**

HSDL2 (NM_032303) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HSDL2 (NM_032303) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	HSDL2
Synonyms:	C9orf99; SDR13C1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG210663 representing NM_032303 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGTTACCCAACACCGGGAGGCTGGCAGGATGTACAGTTTTATCACAGGTGCAAGCCGTGGCATTGGCA
 AAGCTATTGCATTGAAAGCAGCAAAGGATGGAGCAAATATTGTTATTGCTGCAAAGACCGCCAGCCACA
 TCCAAACTTCTAGGCACAATCTATACTGCTGCTGAAGAAATTGAAGCAGTTGGAGGAAAGGCCTTGCCA
 TGTATTGTTGATGTGAGAGATGAACAGCAGATCAGTGTGCAAGTGGAGAAAGCCATCAAGAAATTTGGAG
 GAATTGATATTCTGGTAAATAATGCCAGTGCCATTAGTTTGACCAATACATTGGACACACCTACCAAGAG
 ATTGGATCTGATGATGAACGTGAACACCAGAGGCACCTACCTTGCATCTAAAGCATGTATTCTTATTTG
 AAAAGAGCAAAGTTGCTCATATCCTCAATATCAGTCCACCACTGAACCTAAATCCAGTTTGGTTCAAAC
 AGCACTGTGCTTATACCATTGCTAAGTATGGTATGTCTATGTATGTGCTTGAATGGCAGAAGAATTTAA
 AGGTGAAATTGCAGTCAATGCATTATGGCCTAAACAGCCATACACACTGCTGCTATGGATATGCTGGGA
 GGACCTGGTATCGAAAGCCAGTGTAGAAAAGTTGATATCATTGCAGATGCAGCATATTCATTTTCCAAA
 AGCCAAAAAGTTTACTGGCACTTTGTCATTGATGAAAATATCTTAAAGAAGAAGGAATAGAAAATTT
 TGACGTTTATGCAATTAACAGGTCACTCTTTGCAACCAGATTTCTTCTAGATGAATACCCAGAAGCA
 GTTAGCAAGAAAGTGAATCAACTGGTGTGTTCCAGAATTCAAAGAAGAGAACTGCAGCTGCAACCAA
 AACCACGTTCTGGAGCTGTGGAAGAAACATTTAGAATTGTTAAGGACTCTCTCAGTGATGTTGTTAA
 AGCCACTCAAGCAATCTATCTGTTTGAACCTCTCCGGTGAAGATGGTGGCAGTGGTTTCTTGATCTGAAA
 AGCAAGGGTGGGAATGTCGGATATGGAGAGCCTTCTGATCAGGCAGATGTGGTATGAGTATGACTACTG
 ATGACTTTGTAATAATGTTTTCAGGGAACTAAACCAACAATGGCATTGATGTCAGGGAAATTGAAGAT
 TAAAGGTAACATGGCCCTAGCAATCAAATTGGAGAAGCTAATGAATCAGATGAATGCCAGACTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG210663 representing NM_032303
 Red=Cloning site Green=Tags(s)

MLPNTGRLAGCTVFITGASRGIGKAIKAAKDGANIVIAAKTAQPHPKLLGTIYTAAEEIEAVGGKALP
 CIVDVRDEQQISAAVEKAIKKFGGIDILVNNASATSLTNTLDTPTKRLDMMNVNTRGTYLASKACIPYL
 KKSQVAHILNISPLNLPVWFKQHCAVYIAKYGMSMYVLGMAEEFKGEIAVNALWPKTAIHTAAMDMLG
 GPGIESQCRKVDIIADAAYSIFQKPKSFTGNFVIDENILKEEGIENFDVYAIKPGHPLQPDFFLDEYPEA
 VSKKVESTGAVPEFKEEKLQLQPKPRSGAVEETFRIVKDSLDDVVKATQAIYLFELSGEDGGTWFLDLK
 SKGGNVGYGEPDQADVMSMTTDDFVKMFSGLKPTMAFMMSGKLIKGNMALAIKLEKLMNQMNARL

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_032303

ORF Size: 1254 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_032303.5](#)

RefSeq Size: 3211 bp

RefSeq ORF: 1257 bp

Locus ID: 84263

UniProt ID: [Q6YN16](#)

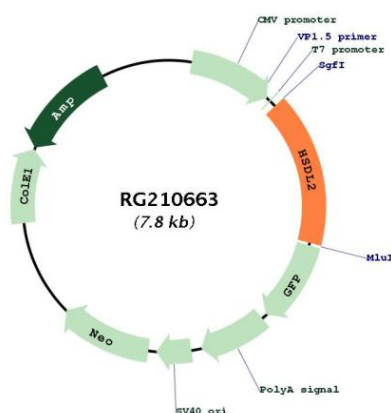
Cytogenetics: 9q32

Domains: SCP2

Protein Families: Druggable Genome

Gene Summary: Has apparently no steroid dehydrogenase activity.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG210663