

Product datasheet for **SC333110**

FAR2 (NM_001271784) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: FAR2 (NM_001271784) Human Untagged Clone
Tag: Tag Free
Symbol: FAR2
Synonyms: HEL-S-81; MLSTD1; SDR10E2
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC333110 representing NM_001271784.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGCAGGAGCTTCTCTCCTGTACAAACATAATATTTCACTGTGCAGCCACTGTACGCTTTGACGACACT
 CTCAGACATGCTGTGCAACTTAACGTCACTGCCACCCGGCAGCTCTTGCTTATGGCTAGTCAGATGCCA
 AAGCTGGAAGCCTTTATACATATCTCTACTGCCTATTCAAATTGTAACCTGAAGCACATCGATGAAGTT
 ATCTATCCGTGCCCTGTGGAGCCAAAAAATCATTGATTCCTTGAGTGGTTAGACGATGCTATTATT
 GACGAGATTACACCAAGCTGATCAGAGATTGGCCCAATATTTATACCTACACCAAGGCCTTGGGAGAA
 ATGGTGGTGCAGCAAGAGAGCAGGAACCTGAACATTGCCATCATAAGGCCCTCCATTGTGGGAGCAACT
 TGGCAGGAGCCTTTCCCAGGTTGGGTTGATAATAAATGGACCTAATGGAATCATTATTGCGACTGGG
 AAAGGGTTTCTTCGGGCCATAAAAGCTACTCCAATGGCTGTGGCAGACGTAATCCAGTTGATACAGTC
 GTCAATCTCATGCTAGCTGTAGGATGGTATACTGCAGTTCACAGACCTAAGTCAACATTAGTCTACCAC
 ATTACATCTGGTAACATGAATCCCTGCAATTGGCAGCAAAATGGGAGTCCAAGTCTTGGAACCTTTGAA
 AAAATCCCATTGAGAGACCTTTCAGGAGGCCAAATGCTAATTTTACCAGCAACAGCTTCACATCACAG
 TACTGGAATGCGGTCAGCCACCGGGCCCTGCCATTATCTATGACTGCTATCTGCGGCTCACTGGAAGG
 AAGCCCAGGATGACAAAGCTCATGAATCGGCTTTTAAGAACTGTTCCATGTTGGAGATTTTCATCAAC
 CGGAGTTGGGAATGGAGCACGTACAATACAGAAATGCTGATGTCTGAGCTGAGTCCTGAAGACCAGAGA
 GTATTCAACTTTGACGTGCGCCAGTTGAACTGGTTGGAATACATTGAAAATTATGTTTTGGGAGTTAAA
 AAATACTTATTGAAAGAGGATATGGCTGGGATCCCAAAAGCAAAGCAACGCTTAAAAAGGCTCCGAAAT
 ATTCACACTCTTTAATACTGCCTCTTCCTTATCGCCTGGCGCCTTCTCATTGCAAGATCTCAGATG
 GCTCGGAATGTCTGGTTCTTCATTGTAAGCTTCTGTTATAAATTCCTCTCCTACTTTAGAGCATCCAGC
 ACGCTCAAAGTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001271784
Insert Size: 1257 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<u>NM_001271784.1</u>
RefSeq Size:	3478 bp
RefSeq ORF:	1257 bp
Locus ID:	55711
Cytogenetics:	12p11.22
Protein Families:	Transmembrane
MW:	48.5 kDa
Gene Summary:	This gene belongs to the short chain dehydrogenase/reductase superfamily. It encodes a reductase enzyme involved in the first step of wax biosynthesis wherein fatty acids are converted to fatty alcohols. The encoded peroxisomal protein utilizes saturated fatty acids of 16 or 18 carbons as preferred substrates. Alternatively spliced transcript variants have been observed for this gene. Related pseudogenes have been identified on chromosomes 2, 14 and 22. [provided by RefSeq, Nov 2012] Transcript Variant: This variant (3) lacks an alternate exon in the 5' coding region and uses a downstream start codon compared to variant 1. It encodes isoform 2 which has a shorter N-terminus compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.