

Product datasheet for SC302186

FAHD1 (NM_001018104) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAHD1 (NM_001018104) Human Untagged Clone
Tag:	Tag Free
Symbol:	FAHD1
Synonyms:	C16orf36; YISKL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC302186 representing NM_001018104. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGGGAATCATGGCAGCATCCAGGCCATTGTCCGCTTCTGGAGTGGGAAAGAACATCGTCTGCGTG
 GGGAGGAACACGCGACCACGTCAGGGAGATGCGCAGCGCGGTGTTAGCGAGCCCGTGCTGTTCTG
 AAGCCGTCCACGGCTACGCGCCGAGGGCTCGCCCATCCTCATGCCGCGTACACTCGAACCTGCAC
 CACGAGCTGGAGCTGGCGTGGTATGGCAAGCGCTGCCGCGCAGTCCCGAGGCTGCGGCCATGGAC
 TACGTGGCGGCTATGCCCTGTGCTGGATATGACCGCCGGGACGTGCAGGACGAGTGAAGAAGAAG
 GGGCTGCCCTGGACTCTGGCAAGAGCTTCACGGCGTCTGCCGCGTCAGCGCTTCGTGCCAAGGAG
 AAGATCCCTGACCCTCACAAGCTGAAGCTCTGGCTCAAGGTCAACGGCGAACTCAGACAGGAGGGTGAG
 ACATCCTCCATGATTTTTTCCATCCCCTACATCATCAGCTATGTTTCTAAGATCATAACCTTGGAAGAA
 GGAGATATTATCTTGACTGGGACGCCAAAGGGAGTTGGACCGGTTAAAGAAAACGATGAGATCGAGGCT
 GGCATACACGGGTGAGACAGGGTCTCACTCTGTCGCCAAGCTGGAGTGCAGCAGTGCTATCACAGCT
 CACTGCAGCCTCGAACTCCCGGGGTCAAGCAATCCTCCCTCAGCTTCCCGTTT**CTGA**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001018104
Insert Size:	747 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001018104.2</u>
RefSeq Size:	1755 bp
RefSeq ORF:	747 bp
Locus ID:	81889
UniProt ID:	<u>Q6P587</u>
Cytogenetics:	16p13.3
MW:	27.1 kDa
Gene Summary:	Probable mitochondrial acylpyruvase which is able to hydrolyze acetylpyruvate and fumarylpyruvate in vitro (PubMed:15551868, PubMed:21878618). Also has oxaloacetate decarboxylase activity (PubMed:25575590).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).