

Product datasheet for **SC332080**

ARID5B (NM_001244638) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARID5B (NM_001244638) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARID5B
Synonyms:	DESRT; MRF-2; MRF2
Vector:	pCMV6-Entry (PS100001)



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Fully Sequenced ORF: >SC332080 representing NM_001244638.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGCGCCAAATCTTAAAGGCAGACCACGCAAAAAGAAACCATGCCACAAAGAAGAGATTCATTCACT
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AAACTGTAG
  
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Restriction Sites: SgfI-MluI
ACCN: NM_001244638
Insert Size: 2838 bp

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:	<ol style="list-style-type: none">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_001244638.1
RefSeq Size:	7032 bp
RefSeq ORF:	2838 bp
Locus ID:	84159
UniProt ID:	Q14865
Cytogenetics:	10q21.2
MW:	104.6 kDa
Gene Summary:	<p>This gene encodes a member of the AT-rich interaction domain (ARID) family of DNA binding proteins. The encoded protein forms a histone H3K9Me2 demethylase complex with PHD finger protein 2 and regulates the transcription of target genes involved in adipogenesis and liver development. This gene also plays a role in cell growth and differentiation of B-lymphocyte progenitors, and single nucleotide polymorphisms in this gene are associated with acute lymphoblastic leukemia. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Sep 2011]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (2) has a shorter N-terminus, compared to isoform 1.</p>