

Product datasheet for SC311324

DIS (CCAR1) (NM_018237) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DIS (CCAR1) (NM_018237) Human Untagged Clone
Tag:	Tag Free
Symbol:	DIS
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_018237 edited

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CTTCGATGTTAGCCGGGACCCGACTCAGGTGAAGATCGATGCTATAGAAGACAAACAAGG
GAAGGTTTTTTTTCTTTTGCATCATGGCTCAATTTGGAGGACAGAAGAATCCGCCATGG
GCTACTCAGTTTACAGCCACTGCAGTATCACAGCCAGCTGCACTGGGTGTTCAACAGCCA
TCACTCCTTGGAGCATCTCTACCATTTATACACAGCAAAGTGCATTGGCAGCAGCAGGC
CTTACCACACAAACTCCAGCAAATATCAGTTAACACAAACTGCATGCACTGCAGCAACAA
GCCGCAGCTGCAGCAGCTGCATTACAACAGCAATATTCACAACCTCAGCAGGCCCTGTAT
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CTGCCTACAAGCCTTAGCCTGTCTACTCCTCAGCCAACAGCACAATAAAGTATCATAT
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GTGGTTACAAAACACTACATGATACGTTTGGATTTGTGGATGAAGATGATTTCTTTACGTT
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AGGCATTGATCTAAGTGTGTGCACACAATGGTACCGTTTTGCAGAGATTCGCTACCATCG
CCCTGAGGAAACCCACAAGGGCGTACAGTTCCAGCTCATGTGGAGACAGTGGTTTTATT
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AGAATGTTTGAAGGTGATGCATGTTTGTATTTAGTAGTATAAATGTATTTTAGTTCAAAT
GATGTATAAAGTTTTATGAATGTGAGTTTCTGCTTTTGA AAAATGCTTGTAAATTCCTAGC
CTTCAAATTAATAACACTCCTTGAGTGAATAATTTTGCATTGCAAAAGTGTGTTTAGGAT
GAACCTTGTATAGTTTTAACTCCAATAAAGTTCATCAGTTTAATTGACAAAAA
AAAAAAAA

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- Restriction Sites:** Please inquire
- ACCN:** NM_018237
- Insert Size:** 3800 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).
- OTI Annotation:** The ORF of this clone has been fully sequenced and found to be a perfect match to NM_018237.2.

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:	<u>NM_018237.2</u> , <u>NP_060707.2</u>
RefSeq Size:	3858 bp
RefSeq ORF:	3453 bp
Locus ID:	55749
UniProt ID:	<u>Q8IX12</u>
Cytogenetics:	10q21.3
Gene Summary:	<p>Associates with components of the Mediator and p160 coactivator complexes that play a role as intermediaries transducing regulatory signals from upstream transcriptional activator proteins to basal transcription machinery at the core promoter. Recruited to endogenous nuclear receptor target genes in response to the appropriate hormone. Also functions as a p53 coactivator. May thus play an important role in transcriptional regulation (By similarity). May be involved in apoptosis signaling in the presence of the reinoid CD437. Apoptosis induction involves sequestration of 14-3-3 protein(s) and mediated altered expression of multiple cell cycle regulatory genes including MYC, CCNB1 and CDKN1A. Plays a role in cell cycle progression and/or cell proliferation (PubMed:12816952). In association with CALCOCO1 enhances GATA1- and MED1-mediated transcriptional activation from the gamma-globin promoter during erythroid differentiation of K562 erythroleukemia cells (PubMed:24245781). Can act as a both a coactivator and corepressor of AR-mediated transcription. Contributes to chromatin looping and AR transcription complex assembly by stabilizing AR-GATA2 association on chromatin and facilitating MED1 and RNA polymerase II recruitment to AR-binding sites. May play an important role in the growth and tumorigenesis of prostate cancer cells (PubMed:23887938).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (a).</p>