

Product datasheet for SC304371

DERA (NM_015954) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DERA (NM_015954) Human Untagged Clone
Tag:	Tag Free
Symbol:	DERA
Synonyms:	CGI-26; DEOC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC304371 representing NM_015954. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTCCGCGCACAAATCGGGGCACCGAGCTCGACCTTAGCTGGATCTCCAAAATACAAGTGAATCACCCG
GCAGTTCTGAGGCGTGCGGAACAAATCCAGGCTCGCAGAACCGTAAAAAGGAGTGGCAGGCTGCTTGG
CTCCTGAAAGCTGTTACCTTTATAGATCTTACTACACTTTCAGGTGATGATACATCTTCCAACATCAA
AGGCTCTGTTATAAAGCCAAATACCCAATCCGGGAAGATCTCTTAAAAGCTTTAAATATGCATGATAAA
GGCATTACTACAGCCGCCGTTTGTGTTATCCC GCCGGGTGTGTGATGCTGTAAAAGCACTCAAGGCT
GCAGGCTGTAATATCCCTGTGGCATCAGTGCCGCTGGATTTCCAGCTGGACAGACTCATTGAAGACA
CGATTAGAAGAGATCAGATTGGCTGTGGAAGATGGAGCTACAGAAATCGACGTGGTAATTAACAGAAGC
TTGGTGCTGACAGGCCAGTGGGAAGCCCTGTATGATGAGATTCGTCAGTTTCGCAAGGCCTGTGGGGAG
GCTCATCTTAAAATATATTAGCGACAGGAGAAGTGGAACTCTTACTAATGTCTATAAAGCCAGTATG
ATAGCAATGATGGCAGGATCAGATTTTATTAAGACCTCTACTGGAAAAGAAACAGTAAATGCCACCTTC
CCGGTAGCTATAGTAATGCTGCGGGCCATTAGAGATTTCTTCTGGAAAAGTGGAAACAAGATAGGGTTT
AAACCAGCAGGAGGCATCCGCAGTGCAAAGGATCCCTTGCTTGCTCTCTTTGTAAGGAGGAGCTT
GGAGATGAGTGGCTGAAGCCAGAAGTCTTTCGAATAGGTGCCAGTACTCTGCTCTCGACATTGAGAGG
CAGATTTACCATCATGTGACTGGAAGATATGCAGCTTATCATGATCTTCCAATGTCTTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGCCGGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_015954
Insert Size:	957 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:	<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_015954.1
RefSeq Size:	1821 bp
RefSeq ORF:	957 bp
Locus ID:	51071
UniProt ID:	Q9Y315
Cytogenetics:	12p12.3
Protein Families:	Druggable Genome
Protein Pathways:	Pentose phosphate pathway
MW:	35.2 kDa
Gene Summary:	<p>Catalyzes a reversible aldol reaction between acetaldehyde and D-glyceraldehyde 3-phosphate to generate 2-deoxy-D-ribose 5-phosphate. Participates in stress granule (SG) assembly. May allow ATP production from extracellular deoxyinosine in conditions of energy deprivation.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>