

Product datasheet for **RC237096**

DERA (NM_001300779) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: DERA (NM_001300779) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: DERA
Synonyms: CGI-26; DEOC
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC237096 representing NM_001300779
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCCGCGCACAAATCGGGCACCGAGCTCGACCTTAGCTGGATCTCCAAAATACAAGTGAATCACCCGG
CAGTTCTGAGGCGTGCAGAACAAATCCAGGCTCGCAGAACCGTAAAAAGGAGTGGCAGGCTGCTTGGCT
CCTGAAAGCTGTTACCTTTATAGATCTTACTACACTTTCAGGTGATGATACATCTTCCAACATTCAAAGG
CTCTGTTATAAAGCCAAATACCCAATCCGGAAGATCTCTTAAAAGCTTTAAATATGCATGATAAAGGCA
TTACTACAGCCGCGCTTTGTGTTTATCCCGCCCGGTGTGTGATGCTGTAAAAGCACTCAAGGCTGCAGG
CTGTAATATCCCTGTGGCATCAGTGGCCGCTGGATTTCCAGCTGGACAGACTCATTTGAAGACACGATTA
GAAGAGATCAGATTGGCTGTGGAAGATGGAGCTACAGAAATCGACGTGTAATTAACAGAAGCTTGGTGC
TGACAGGCCAGTGGGAAGGATCAGATTTTATAAGACCTCTACTGGAAAAGAAACAGTAAATGCCACCTT
CCCGGTAGCTATAGTAATGCTGCGGGCCATTAGAGATTTCTTCTGGAAAAGTGGAAACAAGATAGGGTTT
AAACCAGCAGGAGGCATCCGCAAGTCAAAGGATCCCTTGCTTGGCTCTCTTTGTAAGGAGGAGCTTG
GAGATGAGTGGCTGAAGCCAGAACTCTTTCGAATAGGTGCCAGTACTCTGCTCTCGGACATTGAGAGGCA
GATTTACCATCATGTGACTGGAAGATATGCAGCTTATCATGATCTTCCAATGTCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001300779.2
RefSeq Size:	1692 bp
RefSeq ORF:	828 bp
Locus ID:	51071
Cytogenetics:	12p12.3
Protein Families:	Druggable Genome
Protein Pathways:	Pentose phosphate pathway
MW:	31 kDa
Gene Summary:	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]