

Product datasheet for **RG238070**

CERD4 (DPF3) (NM_001280544) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CERD4 (DPF3) (NM_001280544) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CERD4
Synonyms:	BAF45C; CERD4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG238070 representing NM_001280544. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTTTTATGGCAGAATAAATGGGCGTAACTTCGCCGCATCCTCGCTGCCGGTTGCTTTCGCTGCAACA
CCGCTGATGCTGTTTCTACCGAACCCACAACCTGATTTTCAGTTTCCCATTTCCAGCCGAAATCACATA
ACCGGGCTGATGCCACCTGGTAACTCAAGTTAGAGAACCTATTTACATGTGCACCAGGCTCGGGGAC
CAGTTCTACAAGGAAGCCATTGAGCACTGCCGGAGTTACAACCTCACGGCTGTGTGCAGAGCGCAGCGTG
CGTCTTCCCTTCTGGACTCACAGACTGGGGTGGCCAGAACAACCTGCTACATCTGGATGGAGAAGAGG
CACCGAGGCCAGGCCTTGCCCCGGCCAGCTGTATACATACCCTGCCCGCTGCTGGCGCAAGAAGAGA
CGATTGCACCCACCTGAAGATCCAAAACCTGCGGCTGCTGGAGATAAAACCTGAAGTGGAGCTTCCCTG
AAGAAGGATGGGTTACCTCAGAGAGCACCCACGCTGGAAGCCTTCTCCGTGGCGAGGGGTTGAGAAG
AAGGTGGATGCCAGGGAGGAGGAAAGCATCCAGGAAATACAGAGGGTTTTGGAAAATGATGAAAATGTA
GAAGAAGGGAATGAAGAAGAGGATTTGGAAGAGGATATCCCAAGCGAAAGAACAGGACTAGAGGACGG
GCTCGCGGCTCTGCAGGGGGCAGGAGGAGGCACGACGCCGCTCTCAGGAAGACCACGACAAACCTTAC
GTCTGTGACATCTGTGGCAAGCGCTACAAGAACCAGCCGGGGCTCAGTACCCTATGCTCACACTCAC
CTGGCCAGCGAGGAGGGGATGAAGCTCAAGACCAGGAGACTCGTCCCCACCAACCACAGAAATGAG
AACCCAGGCCCCAGAAAGGACCGGATGGAACAGTCATTCCCAATACTACTGTGACTTCTGCTTGGGG
GGCTCCAACATGAACAAGAAGAGTGGGCGCCTGAAGAGCTGGTGTCTGCGCAGACTGTGGACGCTCT
GCTCATTTGGGAGGAGAAGGCAGGAAGGAGAAGGAGGCAGCGGCCGACGACGTACCACGGAGGACTTA
TTCGGTCCACGTGAGAAAGTGACACGTCAACTTTCCACGGCTTTGATGAGGACGATTTGGAAGAGCCT
CGCTCCTGTGAGGACGCCGAGTGGCCGGGTTCCGCCACAGCAGATAAAAAGGCGAGTTGC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG238070
 Blue=ORF Red=Cloning site Green=Tag(s)

MFYGRINGRNFAASSLPVAFATPLMLFLPNPQLIFSFPISRNHITGLMPPGKLLKLENLFHMCTRLGD
 QFYKEAIEHCRSYNSRLCAERSVRLPFLDSQTGVAQNNCYIWMEKRHRGPGPLAPGQLYTYPARCWRKKR
 RLHPPEDPKLRLLLEIKPEVELPLKKGFTSESTLEALLRGEVGEKKVDAREEESIQEIQRVLENDENV
 EEGNEEDLEEDIPKRKRNRTRGRARGSAGGRRRHDAASQEDHDKPYVCDICGKRYKNRPGLSYHYAHTH
 LASEEGDEAQDQETRSPNHRNENHRPQKGPDTGTVIPNNYCDFCLGGSNMNKKSGRPEELVSCADCGRS
 AHLGGEGRKEKEAAAAARTTEDLFGSTSESDTSTFHGFDEDDLEEPRSCRGRSRSPTADKKGSC
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001280544

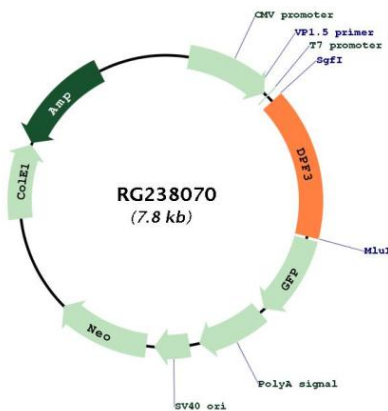
ORF Size: 1236 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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).
RefSeq:	NM_001280544.1 , NP_001267473.1
RefSeq Size:	4520 bp
RefSeq ORF:	1239 bp
Locus ID:	8110
UniProt ID:	Q92784
Cytogenetics:	14q24.2
Protein Families:	Transcription Factors
MW:	46.9 kDa
Gene Summary:	This gene encodes a member of the D4 protein family. The encoded protein is a transcription regulator that binds acetylated histones and is a component of the BAF chromatin remodeling complex. Alternate splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2013]

Product images:



Circular map for RG238070