

Product datasheet for **RC238531**

Deformed Epidermal Autoregulatory Factor 1 (DEAF1) (NM_001293634) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Deformed Epidermal Autoregulatory Factor 1 (DEAF1) (NM_001293634) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DEAF1
Synonyms:	MRD24; NEDHEL5; NUDR; SPN; VSVS; ZMYND5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC238531 representing NM_001293634
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAGGACTCGGACTCGGCGGCAAGCAGCTGGGCTGGCTGAGCGGGCGGCGGTGGCGGCCGCGCCG
 CTGTGGCGGGCGGCGCCGCGCCGCGGAGGAGCGAGCGGAGGAGCCGGTGTGAGCAGGGACGAGGA
 CTCGGAGGAGGACGCAGACTCGGAGGCGGAGCGGAGACGCCCGGGTACCGCAGTGGCGGTGATGGCG
 GCGGAGCCGGGCACATGGACATGGGCGCCGAGGCCCTGCCCGGCCCGACGAGGCCGCCGCTGCCGACG
 CCTTCGACAGAGGTGACCACAGTGACAGTGGCCAACGTGGGGGCTGCTGCAGACAAATGTCTTACCACGTC
 TGTGGCGAACCGCGCATCCATCTCAGGACATGTTCTGTCTGGTAGGACGGCCCTCAGATCGGGACAGC
 CTGAACACCGAAAAGCGACACTGATTGTCGTCCACACAGATGGGAGCATCGTGGAGACCACCGGGCTGA
 AAGGCCCGGCGAGCTCCCCTACCCAGGTCCTCAGTCTCCTCAAACCCCTCTGGTCCCAGGCAAGAAAA
 AGGTGGAATAAATACTGGACCCTTCTGTGTACGACAGTGAAGTGGCGTACGGTACGGTACGGTACATC
 AGCGGCACCTGTACAAGAACAGGCTCGGCTCAGGATGGGATCTTAAACCCCTCACGCTGCCTCTTGACC
 TGTGCTGCCTGCTGCGAGACATGACCTTATCACCGTGACCCCTCGGGACAGATCACGACCTCGGGGGC
 ACTGACCTTTGACCGAGCGTCCACGGTAGAGGCCACTGCTGTCATATCAGAGAGTCCGGCCAGGGCGAC
 GTCTTCGAGGGGCCACAGTCCAAGAGGCCAGCGTGCAGCCCCATGCAGGGCCAGCCACCTGAGCCTC
 ACTACCCCGGCTATCAGGACAGTGCAGATCGCACCGTTCCAGAAGTGCCTTGGCAACGTACATCC
 CAAAATAGTGTGACATCCCTGCCTGCGCTGGCGGTCCCACCCCGACTCCCACCAAGCGGCACCTCCC
 GCGTTGGTCAATGGGCTGGAGCTGTGAGCGCGGAGCTGGCTGTACCTAGAAGAGATGGTCAACTCCT
 TGCTCAACACAGCGCAGCAGCTGAAGACGCTGTTGAGCAAGCCAAGCATGCCAGCACCTACCGAGAAGC
 TGCCACAACCAGGCCAAGATCCACGCTGACGACAGCGGAAGGAGGTGATCCACCCGCCTCGGCTGCC
 AAAGTCTGGGATTACAGCAGTCTGCGTTAACTGCGGCCGGGAGGCTATGAGCGAGTGCACCGGCTGCC
 ACAAGGTCAACTACTGCTCCACCTTCTGCCAACGCAAGGACTGGAAGGATCACCAGCACATATGCGGCCA
 GTCAGCAGCTGTACCGTCCAGGACAGCAAGTCCACGTGGTGAAGCGTGATGGAGAAGGTGACCGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238531 representing NM_001293634
 Red=Cloning site Green=Tags(s)

MEDSDSAAKQLGLAEAAVAAAAVAAAAAAGGEAEEPVL SRDEDSEEDADSEAEERETPRVTAVAVMA
 AEPGHMDMGAEALPGPDEAAAAAFAEVTTVTVANVGAADNVFTTSVANAASISGHVLSGRTALQIGDS
 LNTEKATLIVVHTDGSIVETTGLKGPAAPLTPGPQSPPTPLAPGQEKGGTKYNWDPVYDSELPVRCRNI
 SGTLYKNRLGSGWDLKPSRCLLHLCCLRRHDLITVTPSGQITTSGALTFDRASTVEATAVISESPAQGD
 VFAGATVQEASVQPPCRASHPEPHYQDSCQIAPFPEAALPTSHPKIVLTSLPALAVPPPTPTKAAPP
 ALVNGLELSEPRSWLYLEEMVNSLLNTAQLKTLFEQAKHASTYREAATNQAKIHADAERKEVIHPPRLP
 KVLGLQQSCVNCGREAMSECTGCHKVNYCSTFCQRKDWKDHQICGQSAAVTVQADEVHVAESVMEKVTV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

ACCN:	NM_001293634
ORF Size:	1470 bp
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:	<u>NM_001293634.1, NP_001280563.1</u>
RefSeq Size:	2523 bp
RefSeq ORF:	1473 bp
Locus ID:	10522
UniProt ID:	<u>O75398</u>
Cytogenetics:	11p15.5
Protein Families:	Secreted Protein, Transcription Factors, Transmembrane
MW:	51.7 kDa
Gene Summary:	This gene encodes a zinc finger domain-containing protein that functions as a regulator of transcription. The encoded proteins binds to its own promoter as well as to that of several target genes. Activity of this protein is important in the regulation of embryonic development. Mutations in this gene have been found in individuals with autosomal dominant cognitive disability. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2014]