

Product datasheet for **RG238531**

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:	TurboGFP
Symbol:	Deformed Epidermal Autoregulatory Factor 1
Synonyms:	MRD24; NEDHEL5; NUDR; SPN; VSVS; ZMYND5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG238531 representing NM_001293634.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGAGGACTCGGACTCGGCGGCAAAGCAGCTGGGCCCTGGCTGAGCGGGCGGCGGTGGCGGCCGCGGCC
GCTGTGGCGGGCGCGGCCGCGGCCGAGGAGCGGAGGAGCCGGTGTGAGCAGGGACGAG
GACTCGGAGGAGGACGCAGACTCGGAGGCGGAGCGGGAGACGCCCGGGTACGGCAGTGGCGGTGATG
GCGGGCGAGCCCGGCACATGGACATGGGCGCCGAGGCCCTGCCCGCCCCGACGAGGCCCGCTGCC
GCAGCCTTCGAGAGGTGACCACAGTGACAGTGGCCAACGTGGGGCTGTGCAGACAATGTCTTCACC
ACGTCTGTGGGAACCGGCATCCATCTCAGGACATGTTCTGTCTGGTAGGACGGCCCTTCAGATCGGG
GACAGCCTGAACACCGAAAAAGCAGACTGATTGTCTCACACAGATGGGAGCATCGTGGAGACCACC
GGGCTGAAAGGCCCGCAGCTCCCCTACCCCAGGTCTCAGTCTCTCCAACCCCTCTGGCTCCCGGC
CAAGAAAAAGGTGGAATAAATACTGGACCCTTCTGTGTACGACAGTGAAGTGCCTACGGTGC
CGGAACATCAGCGGCACTCTGTACAAGAAGCAGGCTCGGCTCAGGATGGGATCTTAAACCCCTCAGCTGC
CTTTGACCTGTGCTGCTGCGACGACATGACCTTATCACCGTGACCCCTCGGGACAGATCAGC
ACCTCGGGGGCACTGACCTTTGACCGAGCGTCCACGGTAGAGGCCACTGTGTATATCAGAGATCCG
GCCAGGGCGACGTCTTCGAGGGGCCACAGTCCAAGAGGCCAGCGTGCAGCCCCATGCAGGGCCAGC
CACCTGAGCCTCACTACCCCGCTATCAGGACAGTGCAGATCGCACCGTTCAGAGAAGTGCCTTG
CCAACGTACATCCAAAATAGTGTGACATCCCTGCCTGCGCTGGCGGTCCCACCCCGACTCCACC
AAAGCGGCACCTCCCGCTTGGTCAATGGGCTGGAGCTGTAGAGCCCGGAGCTGGCTGTACCTAGAA
GAGATGGTCAACTCCTTGTCAACACAGCGCAGCAGTGAAGACGCTGTTGAGCAAGCCAAGCATGCC
AGCACCTACCGAGAAGTGCACAAAACAGGCCAAGATCCACGCTGACGCAGAGCGGAAGGAGTGATC
CACCCGCTCGGCTGCCAAAGTCTGGGATTACAGCAGTCTGCGTTAACTGCGCCGGGAGGATG
AGCGAGTGCACCGCTGCCACAAGGTCAACTACTGCTCCACCTTCTGCCAACGAAAGACTGGAAGGAT
CACCGACATATGCGGCCAGTCAAGCTGTACCGTCCAGGCAGACGAAGTCCACGTGGCTGAAAGC
GTGATGGAGAAGGTGACCGTG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
  
```

Protein Sequence:

>Peptide sequence encoded by RG238531
 Blue=ORF Red=Cloning site Green=Tag(s)

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MEDSDSAKQLGLAEAAVAAAAVAAAAAAGGEAEEPVL SRDEDSEEDADSEAERETPRVTAVAVM
AAEPGHMDMGAEALPGPDEAAAAFAEVTTVTVANVGAAADNVFTTSVANAASISGHVLSGRTALQIG
DSLNTEKATLIVVHTDGSIVETTGLKGPAPLTPGPQSPPTPLAPGQEKGGTKYNWDPVYDSELPVRC
RNISGTLYKNRLGSGWDLKPSRCLLHLCCLRRHDLITVTPSQITTSGALTDFDRASTVEATAVISESP
AQGDVVFAGATVQEASVQPPCRASHPEPHYPGYQDSCQIAPFPEAALPTSHPKIVL TSLPALAVPPPTPT
KAAPPALVNGLELSEPRSWLYLEEMVNSLLNTAQLKTLFEQAKHASTYREAATNQAKIHADAERKEVI
HPPRLPKVLGLQQSCVNCREAMSECTGCHKVNYCSTFCQRKDKDQHQHICGQSAAVTVQADEVHVAES
VMEKVTV
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP
SVIFTDKIIRSNTAVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
  
```

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

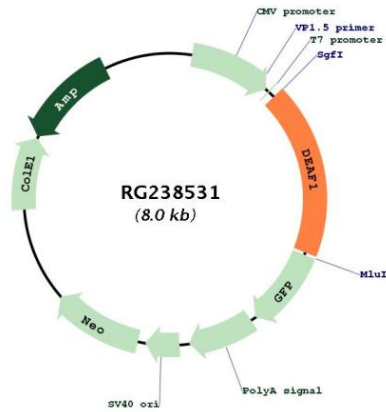


- ACCN:** NM_001293634
- ORF Size:** 1470 bp
- OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each 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).
- RefSeq:** [NM_001293634.1](#), [NP_001280563.1](#)
- RefSeq Size:** 2523 bp
- RefSeq ORF:** 1473 bp
- Locus ID:** 10522
- UniProt ID:** [O75398](#)
- 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]

Product images:



Circular map for RG238531