

Product datasheet for **SC108819**

Deformed Epidermal Autoregulatory Factor 1 (DEAF1) (NM_021008) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Deformed Epidermal Autoregulatory Factor 1 (DEAF1) (NM_021008) Human Untagged Clone
Tag:	Tag Free
Symbol:	Deformed Epidermal Autoregulatory Factor 1
Synonyms:	MRD24; NEDHEL5; NUDR; SPN; VSVS; ZMYND5
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_021008, the custom clone sequence may differ by one or more nucleotides

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ATGGAGGACTCGGACTCGGCGGCAAAGCAGCTGGGCTGGCTGAGGCGGCGGCGGTGGCGGCCGCGGCCG
CTGTGGCGGCGGCGGCCGCGCCGCGGCGGAGGCGAGGCGGAGGAGCCGGTCTGAGCAGGACGAGGA
CTCGGAGGAGGACGACACTCGGAGGCGGAGCGGAGACGCCGCGGTACCGGCAGTGGCGGTGATGGCG
GCGGAGCCCGGGCACATGGACATGGGCGCGGAGGCCCTGCCCGGCCCGACGAGGCCGCCGTGCCGACG
CCTTCGACAGAGGTGACACAGTGACAGTGGCCAACGTGGGGGCTGCTGCAGACAATGTCTTACCACGTC
TGTGGCGAACCGGCATCCATCTCAGGACATGTTCTGTCTGGTAGGACGGCCCTCAGATCGGGGACAGC
CTGAACACCGAAAAAGCGACACTGATTGTCTGCCACACAGATGGGAGCATCGTGGAGACCACCGGCTGA
AAGGCCCGGCGAGTCCCCTACCCAGGCTCCTCAGTCTCTCCAACCCCTCTGGTCCCAGGCAAGAAAA
AGGTGAACTAAATACTGGGACCTTCTGTGTACGACAGTGGCTGCCCGTACGGTGGCGAACATC
AGCGGCACTCTGTACAAGAACAGGCTCGGCTCAGGCGGCCGGGACGGTGCATCAAGCAGGGGAGAACT
GGTACAGTCCCACCGAGTTTGGGCCATGGCAGGAAGGCCAGCAGTAAGGACTGAAAAAGAACATTTCG
CTACGCGGGCCGACCCTTGACAGTGCCTCATCCAGGATGGGATCTTAAACCCCTCACGCTGCCTCTTGACC
TGTGCTGCCTGCTGCGACGACATGACCTTAAAGTGGCCAGTACGGCTTTTTGTGCCTTACAAAAGGCGCA
AGAAGGAGAATGAACTGCCACAACCTCCCGTGAAGAAGGACTCCCCAAGAACATCACATTGCTTCCAGC
CACCGCGGCTACCACCTTACCCTGACCCCTCGGGACAGATCACGACCTCGGGGCACTGACCTTTGAC
CGAGCGTCCACGGTAGAGGCCACTGCTGTATATCAGAGAGTCCGGCCAGGGCGACGCTTTCGACGGGG
CCACAGTCCAAGAGGCCAGCGTGCAGCCCCATGCAGGGCCAGCCACCTGAGCCTACTACCCCGGCTA
TCAGGACAGCTGCCAGATCGCACCGTTCCAGAAGCTGCGTTGCCAACGTACATCCAAAATAGTGTG
ACATCCCTGCCTGCGCTGGCGGTCCCACCCGACTCCCACAAAGCGGCACCTCCCGGTTGGTCAATG
GGCTGGAGCTGTAGAGCCGCGGAGCTGGCTGTACCTAGAAGAGATGGTCAACTCCTTGCTAACACAGC
GCAGCAGCTGAAGACGCTGTTTGAAGCAAGCAAGCATGCCAGCACCTACCGAGAAGCTGCCACAACACAG
GCCAAGATCCACGCTGACGCAGAGCGGAAGGAGCAGTCTGCGTTAACTGCGGCCGGGAGGCTATGAGCG
AGTGCACCGGCTGCCACAAGGTCAACTACTGCTCCACCTTCTGCCAACGCAAGGACTGGAAGGATCACCA
GCACATATGCGGCCAGTCAAGCAGCTGTACCGTCCAGGCAGACGAAGTCCACGTGGCTGAAAGCGTGATG
GAGAAGGTGACCGTGTGA
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_021008 unedited

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GTATACGACTCACTATAGGCGGCGCGCCTCGGCCAGCTCGGGCGTCTCTTCGGGCC
CGCTTCGGGCTCCGCGACCGGCGCTTCGGGCGTCCCAGGACGGCGCCTTCGGGAAGGCTC
GGCGGAGTCCGGATGGAGGACTCGGACTCGGCGGCAAAGCAGTGGGCTGGCTGAGGCG
GCGGCGGTGGCGGCCGCGCCGCTGTGGCGGCGGCGCCGCGGCCGCGGACAGGAGCGAG
GCGGAGGAGCCGGTCTGAGCAGGACGAGGACTCGGAGGAGGACGACACTCGGAGGCG
GAGCGGGAGACGCGCGGTACCGCAGTGGCGGTGATGGCGGCGGAGCCCGGCACATG
GACATGGGCGCCGAGGCCCTGCCCGGCCCGACGAGGCCGCGCTGCCGACGCTTCGCA
GAGGTGACCACAGTGACAGTGGCCAACGTGGGGCTGCTGCAGACAATGTCTTACCACG
TCTGTGGCAACCGGCATCCATCTCAGGACATGTTCTGTCTGGTAGGACGGCCCTTCAG
ATCGGGGACAGCCTGAACACCGAAAAAGCGACACTGATTGTCTGCCACACAGATGGGAGC
ATCGTGGAGACCACCGGCTGAAAGGCCCGCAGTCCCCTACCCAGGCTCCTCAGTCT
CCTCCAACCCCTCTGGTCCCAGGCAAGAAAAGTGGAACTAAATACTGGGACCCCT
CTGTGTACGACAGTGGCTGCCCGTACCGTGGCCGAACATCAGCCGCACTCTGTACAAGA
CAGGCTCGGCTCAGGCGGCGGGGACGGTGCATCAACCGGGGGAGACTGGGACAGTCCC
CCCGAGTTTGGGCCCTGGCAGAAGAGCCACCCTTAAAGACTGGAAGAACCATCGCTACC
CGGCCGACCCCTGCAGGGCTATA
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_021008 unedited NCTTATTTTTGGCCGCGCCGCATTCTANGATCGAGTTTTTTTTTTTTTTTTTTTGTACCTT ATTTACACTTTATTGACAGACACAACACGTATGTATGTGCGTCCGAGCACAGGCCCTGTG GGCAAGACCGGACGCTCATGATCCCAGGGATAAAAAATCTGTCCGCGAGCGGGCAGGGGG CCCGGGCAGGGGAGTGCCTTCCCAGGGCACCATTTCGCTTAAAGTGTGTTAATGACTTG TCCAGCAAGTTTTCTTTACCTTCCCACACCCTCTTCTCAACGTCCCCCAGAGTCCTCAG GGGGGCTTCGACCTGCAAAAAGCCTCACAGGAGTGCAGGGGCCAGCTCCCAGGGCGG CCGATGGAGCCTCACACGGTCACCTTCTCCATCACGCTTTCAGCCACGTGGACTTCGTCT GCCTGGACGGTGACAGCTGCTGACTGGCCGCATATGTGCTGGTGATCCTTCCAGTCTTG CGTTGGCAGAAGGTGGAGCAGTAGTTGACCTTGTGGCAGCCGGTCACTCGCTCATAGCC TCCCGGCCGAGTTAACGCAGGACTGCTCCTTCCGCTCTGCGTCAGCGTGGATCTTGGCC TGGTTTGTGGCAGCTTCTCGGTAGGTGCTGGCATGCTTGGCTTGCCTCAACAGCGTCTTC AGCTGCTGCGCTGTGTTGAGCAAGGAGTTGACCATCTTCTAGGTACAGCCAGCTCCGC GGCTCTGACAGCTCCAGCCATTGACCAACGCGGNGAGTGCCGCTTTGGTGGGAGTCGGN GGTGGGACCGNCAGCGCANGCAGGGATGTCAACACTATTTTGGGATGTGACNGTGCCAAC GCAGCTTCTGAAAACGTGCGATCTGGCAGCTGTTCTGATACCGGGTAGTGAAGCTCAG GNTGCCTGGCCCTGCATGGGG
Restriction Sites:	NotI-NotI
ACCN:	NM_021008
Insert Size:	2000 bp
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).
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_021008.2</u> , <u>NP_066288.2</u>
RefSeq Size:	2737 bp
RefSeq ORF:	1698 bp
Locus ID:	10522
UniProt ID:	<u>O75398</u>
Cytogenetics:	11p15.5
Domains:	SAND, zf-MYND

Protein Families: Secreted Protein, Transcription Factors, Transmembrane

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]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a).