

Product datasheet for **MR224847**

Deaf1 (NM_016874) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Deaf1 (NM_016874) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Deaf1
Synonyms:	AU042387; C230009B13Rik; NUDR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR224847 representing NM_016874
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGGACTCGGACTCGGCGGCAAAACAGCTGGCCCTGGCCGAGCGGCAGCTGTGGCGGCCGCTGCCG
 CGGTGGCGGCGGCCGCCGCGGCCGAGCGGAAAGCGAGGCGGAGGAGCCGGTGTAAAGCAGAGACGAGGA
 CTCGGAGGAGGACGCAGACTCCGAGGCGGAGCGGAGACGCGCGGGTACCCGCTGTGGCGGTGATGGCG
 GCCGAATCTGGGCACATGGATATGGGTACCGAGGCTCTGCCAGCCCCGATGAGGCCGCCGCCGCCGCCG
 CCGCCTTCGCAGAAGTGACCACAGTACTGTGGCCAACGTGGGGTCTCTGCAGATAACGCTTTCACAAC
 ATCAGTGGCAAACGCAGCATCGATATCAGGACATGTCCTGTCTGGTAGGACAGCCCTGCAGATCGGTGAC
 AGCCTGAACACTGAAAAAGCCACACTAATAGTTGTACACACAGATGGGAGCATTGTGGAGACCCTGGGC
 TGAAGGGCCAGCAGCACCTCTACTCCAGGTCCCAGTCTCTCTACCCACTGGCACCTGGCCAGGA
 GAAAGGTGGTACCAAGTACAACCTGGGACCTTCGGTGTATGACAGCGAGTTGCCTGTGCGCTGTCCGAAC
 ATCAGTGGCAGCTCTACAAGAGTAGGCTCGGCTCAGGTGGCCGGGGCCGGTGTATCAAGCAGGGAGAAA
 ACTGGTACAGCCAACTGAGTTTGAAGCTATGGCAGGAAGAGCCAGCAGCAAGGACTGGAAGAGAAGCAT
 CCGCTATGCTGGCAGACCCTGCAGTGCCTCATTAGGATGGTATTTTGAACCCTCACGCTGCCTCCTGT
 ACCTGTGCCGCTGTTGTGATGACATGACTCTGAGTGGCCCTGTGAGGCTCTTCTGCCCTATAAAAGGC
 GCAAGAAAGAGATGAGCTGCCACAACCCAGTGAAGAAGGATCCCCCAAGAACATCACCTGCTTCC
 TGCCACGGCGCCACCACCTTACTGTGACACCCTCAGGACAGATCACTACCTCTGGAGCACTGACCTTT
 GACAGAGCATCCACTGTAGAGGCCACTGCTGTCATCTCTGAGAGCCAGCCCAAGGTGATGCTTTGCAG
 GAGCCACAGTGAAGAGGCAGGTGTGACGCTCCCTGCAGGGTTGGCCACCCTGAACCCCACTCCCTGG
 CTATCAGGACAGCTGCCAGATTGCCCGTTTCCAGAAGCTGATTGCCAACATCACACCCCAAAATTGTC
 CTGACATCGCTGCCCGCATTGGCCGTGCCACCCTCCACCCCAACAAAGCTGTCTCTCCACCGTGGTCA
 GTGGGCTGGAGATGTCAGAACATCGGAGCTGGCTGTACCTGGAAGAGATGGTCAACTCCCTACTCAACAC
 AGCTCAGCAGTGAAGACGCTGTTTGAACAAGCCAAGCAGGCGAGCTCTTGCAGGGAAGCTGCTGTGACC
 CAGGCGAGAATGCAGGTTGATACAGAGAGGAAAGAGCAGTCACTGTCAACTGCGGCCGGGAGGCCATGA
 GTGAGTGTACCGCTGCCACAAGTTAACTACTGCTCTACGTTCTGCCAGCGCAAGGACTGGAAAGACCA
 TCAGCATGTGTGGCCAGTCAAGCTGTCTGCTGTCAGGCTGATGACGTCCATGTTGAAGAAAGTGTG
 ATAGAAAAGTTGCTGTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR224847 representing NM_016874
 Red=Cloning site Green=Tags(s)

MEDSDSAKQLGLAEAAA VAAAAA VAAAAA AEAEEPVL SRDEDSEEDADSE AERETRRVTAVAVMA
 AESGHMDMGTEALPSPDEAAAAAFAEVTTVTVANVGSSADNVFTTSVANAASISGHVLSGRTALQIGD
 SLNTEKATLIVVHTDGSIVETTGLKGPAAPLTPGPQSPPTPLAPGQEKGGTKYNWDPVSVYDSELPVRCRN
 ISGTLYKSRLGSGGRGRCIKQGENWYSPTFEAMAGRASSKDWKRSIRYAGRPLQCLIQDGI LNPHAASC
 TCAACDDMTLSGPVRLFVPYKRRKKENELPTTPVKKDSPKNITLLPATAATFTVTPSGQITTSGALTF
 DRASTVEATAVISESPAQGDVFAGATVQEAGVQPPCRVGHPEPHYPGYQDSCQIAPFPEALPTSHPKIV
 LTSLPALAVPPSTPTKAVSPTVVSGLMSEHRSWLYLEEMVNSLLNTAQQLKTLFEQAKQASSCREAAVT
 QARMQVDTERKEQSCVNCREAMSECTGCHKVNYCSTFCQRKDWKDHQHVCGQSASVTVQADDVHVEESV
 IEKVAV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9007_g08.zip

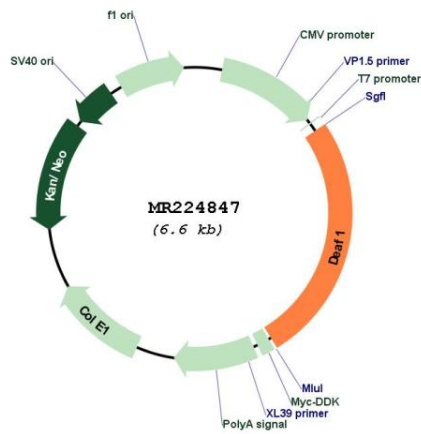
Restriction Sites:

Sgfl-Mlul

MW: 60.1 kDa

Gene Summary: Transcription factor that binds to sequence with multiple copies of 5'-TTC[CG]G-3' present in its own promoter and that of the HNRPA2B1 gene. Down-regulates transcription of these genes. Binds to the retinoic acid response element (RARE) 5'-AGGGTTCACCGAAAGTTCA-3'. Activates the proenkephalin gene independently of promoter binding, probably through protein-protein interaction (By similarity). Regulates epithelial cell proliferation and side-branching in the mammary gland. Required for neural tube closure and skeletal patterning. Controls the expression of peripheral tissue antigens in pancreatic lymph nodes. Isoform 1 displays greater transcriptional activity than isoform 2. Isoform 2 may inhibit transcriptional activity of isoform 1 by interacting with it and retaining it in the cytoplasm. Transcriptional activator of EIF4G3 (By similarity). May also involved in behavior (PubMed:24726472). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR224847