

## Product datasheet for **MC226953**

### Deaf1 (NM\_001282076) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Deaf1 (NM\_001282076) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Deaf1  
**Synonyms:** AU042387; C230009B13Rik; NUDR  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >MC226953 representing NM\_001282076  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGTCGAGGCTGTGTGCTTGCCTGGCAGCAGTGCTCTTCATGGATTTCTCAGAAAATGTCTTCTTACC  
ATTCTGAGGGCTCCTGTGGACGTCTGCTCTGTCAGTAAGTGGCCCTGTCAGGCTCTTCGTCCTTATAA  
AAGGCGCAAGAAAGAGAATGAGCTGCCACAACCCAGTGAAGAAGGATCCCCAAGAATCACCCCTG  
CTTCTGCCACGGCGGCCACCACCTTCACTGTGACACCCTCAGGACAGATCACTACCTCTGGAGCACTGA  
CCTTTGACAGAGCATCCACTGTAGAGGCCACTGCTGTCATCTCTGAGAGCCAGCCCAAGGTGATGTCTT  
TGCAGGAGCCACAGTGCAAGAGGCAGGTGTGACGCTCCCTGCAGGGTTGGCCACCCTGAACCCCACTAC  
CCTGGCTATCAGGACAGCTGCCAGATTGCCCGTTTCCAGAAGCTGCATTGCCAACATCACACCCCAAAA  
TTGTCTGACATCGCTGCCCGCATTGGCCGTGCCACCGTCCACCCCAACCAAGCTGTCTCTCCACCGT  
GGTCAGTGGGCTGGAGATGTCAGAACATCGGAGCTGGCTGTACCTGGAAGAGATGGTCAACTCCCTACTC  
AACACAGCTCAGCAGCTGAAGACGCTGTTTGAACAAGCCAAGCAGGCGAGCTCTTGACGGGAAGCTGCTG  
TGACCCAGGCGAGAATGCAGGTTGATACAGAGAGGAAAGAGTCATGTGTCAACTGCGCCCGGAGGCCAT  
GAGTGAGTGTACCGGCTGCCACAAGTTAACTACTGCTCTACGTTCTGCCAGCGCAAGGACTGAAAAGAC  
CATCAGCATGTGTGGCCAGTCAGCTGTCTACTGTCCAGGCTGATGACGTCATGTTGAAGAAAAGTG  
TGATAGAAAAGTTGCTGTTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001282076



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|                               |   |
|-------------------------------|---|
| <b>Insert Size:</b>           | 933 bp  |
| <b>OTI Disclaimer:</b>        | 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).  |
| <b>OTI Annotation:</b>        | Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.  |
| <b>Components:</b>            | 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).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>   |
| <b>RefSeq:</b>                | <u><a href="#">NM_001282076.1</a></u> , <u><a href="#">NP_001269005.1</a></u>   |
| <b>RefSeq Size:</b>           | 2316 bp   |
| <b>RefSeq ORF:</b>            | 933 bp  |
| <b>Locus ID:</b>              | 54006   |
| <b>Cytogenetics:</b>          | 7 F5  |
| <b>Gene Summary:</b>          | <p>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]</p> <p>Transcript Variant: This variant (4) differs in the 5' UTR and has multiple differences in the coding region, compared to variant 1. The resulting protein (isoform 4) has a distinct N-terminus and is shorter than isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p> |