

Product datasheet for **MG216693**

Dlx4 (NM_007867) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Dlx4 (NM_007867) Mouse Tagged ORF Clone
 Tag: TurboGFP
 Symbol: Dlx4
 Synonyms: Dlx-4; Dlx7
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-AC-GFP (PS100010)
 E. coli Selection: Ampicillin (100 ug/mL)
 ORF Nucleotide Sequence: >MG216693 representing NM_007867
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACCTCTTTACCCGTGCCCTTCTGACCGTGGTGCCTCCAACGTTGTCTTCCCGGACCTCGCCCCG
 CCCTGTCGGTAGTGGCTGCTTACCCGCTCGGACTATCCCCGGAACCGCAGCTTCTCCCGATTTGCCTA
 CTTCCAGTCTACGGCCACCCCGGTCCTATTCCACCCTGGCCGGCAACCCAGGAGACTCCTACCTG
 CCCCAGCAACAATTGGTGGCGCATCTCAGCCCTTTCACAGGCCGGCTGAACACCCGCAGGAGCTCG
 AAGCAGAATCAGAGAAGCTGGCACTGTCTCTGGTGCCTCCAGCAGCAGTCCCTGACCAGGAAGCTGCG
 CAAGCCCAGAACCATCTACTCTAGCCTGCAGCTCCAACACCTGAACCAGGTTTCCAGCACACCCAATAC
 CTGGCCCTGCCGAGAGAGCTCAGCTGGCAGCACAACCTCGGACTCACCCAAACCCAGGTAAGATCTGGT
 TTCAGAACAAACGCTCCAAATATAAGAAGCTCCTGAAACAGAGCTCTGGGGAGCCGGAAGAGGACTTCTC
 TGGGAGACCCCCCTCCCTGTCTCCCACTCTCCAGCCCTACCATCTGGGGTCTACCCAAGGCAGAC
 ACCCTGCCTCCAGTGGCTATGACAACAGCCACTTGGTGCCTGGTATCAGCATCGCTCCCAGATGTGC
 TGGCACTGCCTCAGATGATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG216693 representing NM_007867
Red=Cloning site Green=Tags(s)

MTSLPCPLPDRGASNVVFPDLAPALSVVAAYPLGLSPGTAASPDLSYSQSYPHRSYSHPGPATPGDSYL
 PRQQQLVAPSQPFHRPAEHPQELEAESEKLALSLVPSQQQLTRKLRKPRTIYSSLQLQHLNQRQHTQY
 LALPERAQLAAQLGLTQTQVKIWFQNKRSKYKLLKQSSGEPEEDFSGRPPSLSPHSPALPFIWGLPKAD
 TLPSSGYDNSHFGAWYQHRSPDVLALPQMM

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_007867

ORF Size: 720 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in *E. coli* are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:

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: [NM_007867.4](#), [NP_031893.3](#)

RefSeq Size: 1820 bp

RefSeq ORF: 723 bp

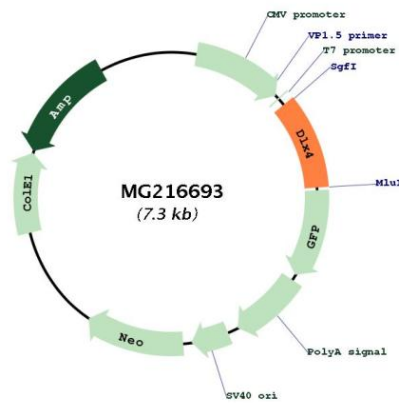
Locus ID: 13394

UniProt ID: [P70436](#)

Cytogenetics: 11 59.01 cM

Gene Summary: May play a role in determining the production of hemoglobin S. May act as a repressor. During embryonic development, plays a role in palatogenesis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG216693