

Product datasheet for **MR216693**

Dlx4 (NM_007867) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dlx4 (NM_007867) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Dlx4
Synonyms: Dlx-4; Dlx7
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR216693 representing NM_007867
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACCTCTTTACCCCTGTCCCCTTCTGACCGTGGTGCCTCCAACGTTGTCTTCCCGGACCTCGCCCCG
CCCTGTCGGTAGTGGCTGCTTACCCGCTCGGACTATCCCCGGAACCGCAGCTTCTCCCGATTTGCCTA
CTCCCAGTCTACGGCCACCCCGGTCTATTCCACCCTGGCCGGCAACCCAGGAGACTCCTACCTG
CCCCGCCAGCAACAATTGGTGGCGCCATCTCAGCCCTTTCACAGGCCGGCTGAACACCCGCAGGAGCTCG
AAGCAGAATCAGAGAAGCTGGCACTGTCTCTGGTGCCTCCAGCAGCAGTCCCTGACCAGGAAGCTGCG
CAAGCCCAGAACCATCTACTCTAGCCTGCAGCTCCAACACCTGAACCAGGTTTCCAGCACACCCAATAC
CTGGCCCTGCCCCGAGAGAGCTCAGCTGGCAGCACAACCTCGGACTCACCCAAACCCAGGTAAGATCTGGT
TTCAGAACAAACGCTCCAAATATAAGAAGCTCCTGAAACAGAGCTCTGGGGAGCCGGAAGAGGACTTCTC
TGGGAGACCCCCCTCCCTGTCTCCCCACTCTCCAGCCCTACCATCTGGGGTCTACCCAAGGCAGAC
ACCCTGCCTTCCAGTGGCTATGACAACAGCCACTTTGGTGCCTGGTATCAGCATCGCTCCCAGATGTGC
TGGCACTGCCTCAGATGATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR216693 representing NM_007867
Red=Cloning site Green=Tags(s)

MTSLPCPLPDRGASNVVFPDLAPALSVVAAAYPLGLSPGTAASPDLSYSQSYGHPRSYSHPGPATPGDSYL
 PRQQQLVAPSQPFHRPAEHPQELEAESEKLALSLVPSQQQLTRKLRKPRTIYSSLQLQHLNORFQHTQY
 LALPERAQLAAQLGLTQTQVKIWFQNKRSKYKLLKQSSGEPEEDFSGRPPSLSPHSPALPFIWGLPKAD
 TLPSSGYDNSHFQAWYQHRSPDVLALPQMM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9075_b09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_007867

ORF Size: 720 bp

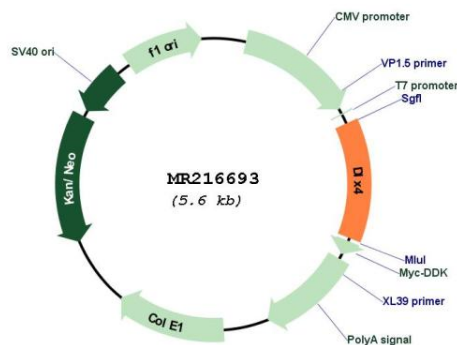
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA 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:	<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:	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
MW:	26.6 kDa
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 MR216693