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Product datasheet for MR205811

Zfp326 (BC037055) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp326 (BC037055) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zfp326
Synonyms:	5730470H14Rik; ZAN75; Znf326
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR205811 representing BC037055
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGTGATTTTGGAAGCTTCCATAGACCTGGAATTATTGTTGACTATCAAAACAAACCTGCCAATGTGA
CGATTGCTACTGCAAGAGGAATAAAAAGAAAAATGATGCAAATATTTATTAAGCCCGGGGGAGCCTTTAT
CAAGAAGCCTAAGCTAGCGAAACCTATGGATAAGATGAACCTCAGCAAATCACCTACAAAAACTGATCCT
AAAAATGAAGAAGAAGAAAAGCGGCGAATTGAGGCTCGGCGAGAGAAGCAAAGACGTAGACGAGAAAAAA
ACAGTGAAAAATATGGAGATGGATACAGAATGGCATTCACATGTTCATTTTGTAAATTTCGAACCTTTGA
AGAAAAAGATATTGAACTGCATCTGGAAAGTTCTTCTCACCAGGAAACATTAGATCATATTCAGAAACAA
ACCAAATTTGATAAAGTAGTTATGGAGTTTTTACATGAATGTATGGTGAATAAATTTAAAAAAGCATCTA
TTCGTAAGCAACAGACACTTAATCACCCAGAAGCTTACAAAATAATTGAAAAAGATATTATGGAAGGTGT
TACTGCAGATGATCACATGATGAAAGTGGAGACTGTTCACTGTAGTGCTTGTAGCGTGTACATCCCTGCT
TTACACAGCTCAGTTCAGCTGCACCTAAAGTCTCCTGACCACAGCAAAGGGAAGCAGGCTTATAAGGAAC
AGATAAAGAGGGAAAGTGTGCTGACTGCCACAAGCATCTTAAACAACCCGATCGTGAAGGCACGGTATGA
GCGCTTTGTTAAGGGAGAGAATCCTTTTGAAATTCAAGATCACCCTCAGGATCAGCAGATAGAAGGAGAT
GAAGAGGACGAAGAGAAGATTGATGAACCCATCGAGGAAGAGGAAGAGGAGGAGGAGGAAGAGGAGGAGG
AAGGGGAGGAAGCTGGATCTGTGGAGGAAGAAGGGGATGTGGAGGGAGAGGAGGGCACAGCAGAAGCTGC
AGCAGCAGGGGAAGCTGACGCAGTGGGAGAGGCAGAGGGAGCAGGGGAGGCAGAGGAGGCGGAGGAGGAG
GAGGAAGAGGAGGGAACCCAGGAGTTTGCTGCCCAGGCCTGTGCTACTGAGCAGTGCGAGCACAGGCAGA
TG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

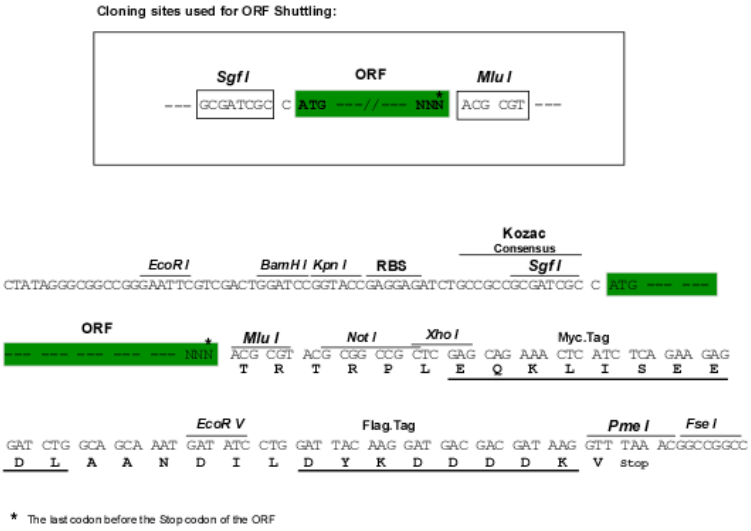
>MR205811 representing BC037055
Red=Cloning site Green=Tags(s)

MGDFGSFHRPGIIVDYQNKPANVTIATARGIKRKMMQIFIKPGGAFIKKPKLAKPMDKMNLSKSPTKTDP
KNEEEEKRRIEARREKQRRRREKNSEKYGDGYRMAFTCSFCKFRTFEEKDIELHLESSSHQETLDHIQKQ
TKFDKVVMEFLHECMVNKFKKASIRKQQTLNHPEAYKIIEKDIMEGVTADDHMMKVETVHCSACSVYIPA
LHSSVQLHLKSPDHSKGKQAYKEQIKRESVLTATSILNNPIVKARYERFVKGENPFEIQDHPQDQQIEGD
EEDEEKIDEPIEEEEEEEEEEEEGEEAGSVEEEGDVEGEEGTAEAAAAGEADAVGEAEGAGEAEEAEEE
EEEEGTQEFAAQACATEQCEHRQM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC037055

ORF Size: 1122 bp

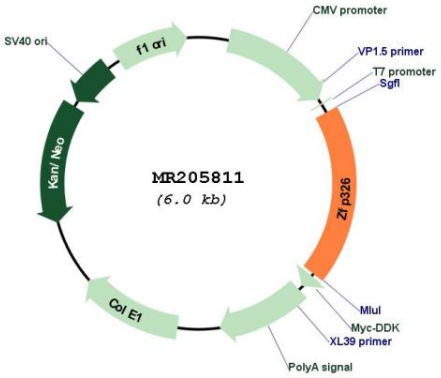
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	BC037055.1
RefSeq Size:	1581 bp
RefSeq ORF:	1124 bp
Locus ID:	54367
Cytogenetics:	5 E5
MW:	58 kDa
Gene Summary:	Core component of the DBIRD complex, a multiprotein complex that acts at the interface between core mRNP particles and RNA polymerase II (RNAPII) and integrates transcript elongation with the regulation of alternative splicing: the DBIRD complex affects local transcript elongation rates and alternative splicing of a large set of exons embedded in (A + T)-rich DNA regions (By similarity). May also play a role in neuronal differentiation. Able to bind DNA and activate expression in vitro.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205811