

Product datasheet for **MG205811**

Zfp326 (BC037055) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp326 (BC037055) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zfp326
Synonyms:	5730470H14Rik; ZAN75; Znf326
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205811 representing BC037055 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGTGATTTTGAAGCTTCCATAGACCTGGAATTATTGTTGACTATCAAAACAACTGCCAATGTGA
CGATTGCTACTGCAAGAGGAATAAAAAGAAAAATGATGCAAAATTTTAAAGCCCGGGGAGCCTTTAT
CAAGAAGCCTAAGCTAGCGAAACCTATGGATAAGATGAACCTCAGCAAAACACCTACAAAACTGATCCT
AAAAATGAAGAAGAAGAAAAGCGGCGAATTGAGGCTCGGCAGAGAAGCAAGACGTAGACGAGAAAAAA
ACAGTAAAAAATATGGAGATGGATACAGAATGGCATTACATGTTTCATTTGTAAATTTGAACTTTGA
AGAAAAAGATATTGAACTGCATCTGAAAAGTTCTCTCACCAGGAAACATTAGATCATATTCAGAAACAA
ACCAAATTTGATAAAGTAGTTATGGAGTTTTTACATGAATGTATGGTGAATAAATTTAAAAAAGCATCTA
TTCGTAAGCAACAGACACTTAATCACCCAGAAGCTTACAAAAAATTGAAAAAGATATTATGGAAGGTGT
TACTGCAGATGATCACATGATGAAAGTGGAGACTGTTCCTGACCTGTAGTGCTTGTAGCGTGTACATCCCTGCT
TTACACAGCTCAGTTCAGCTGCACCTAAAGTCTCCTGACCACAGCAAAGGGAAGCAGGCTTATAAGGAAC
AGATAAAGAGGGAAAAGTGTGCTGACTGCCACAAGCATCTTAAACAACCCGATCGTGAAGGCACGGTATGA
GCGCTTTGTTAAGGGAGAGAATCCTTTTGAATTCAGATCACCTCAGGATCAGCAGATAGAAGGAGAT
GAAGAGGACGAAGAGAAGATTGATGAACCATCGAGGAAGAGGAAGAGGAGGGAAGAGGAGGAGGAGG
AAGGGGAGGAAGCTGGATCTGTGGAGGAAGAAGGGGATGTGGAGGAGAGGAGGGCACAGCAGAAGCTGC
AGCAGCAGGGGAAGCTGACGCAGTGGGAGAGGCAGAGGGAGCAGGGGAGGAGGAGGCGGAGGAGGAG
GAGGAAGAGGAGGGAACCCAGGAGTTTGTCTGCCAGGCCTGTGCTACTGAGCAGTGCAGCAGCAGGAGGAG
TG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205811 representing BC037055
Red=Cloning site Green=Tags(s)

MGDFGSFHRPGIIVDYQNKPANVTIATARGIKRKM MQIFIKPGGAFIKKPKLAKPMDKMNLSKSPTKTDP
 KNEEEEEKRRIEARREKQRRRREKNSEKYGDGYRMAFTCSFCKFRTFEEKDIELHLESSHQETLDHIQKQ
 TKFDKVVMEFLHECMVNFKKASIRKQQLNHPEAYKII EKDIMEGVTADDHMMKVETVHCSACSVYIPA
 LHSSVQLHLKSPDHSK GKQAYKEQIKRESVLTATSILNNPIVKARYERFVKGENPF EIQDHPDQDQIEGD
 EEDEEKIDEP IEEEEEEEEEEEEEEGEEAGSVEEEGDVEGEEGTAEAAAAGEADAVGEAEGAGEAEEAEE
 EEEEGTQEFAAQACATEQCCEHRQM

TRTRPLE - GFP Tag - V

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

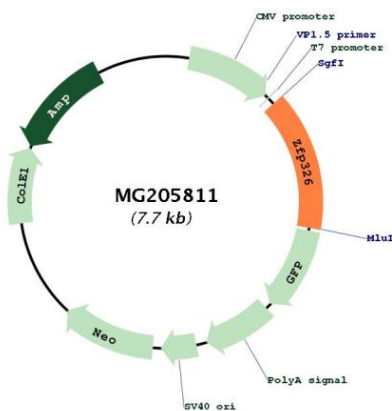
RefSeq ORF: 1124 bp

Locus ID: 54367

Cytogenetics: 5 E5

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 MG205811