

Product datasheet for **MR210955**

Dzip1 (NM_025943) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dzip1 (NM_025943) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dzip1
Synonyms:	2510025K24Rik; 2810422M04Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR210955 representing NM_025943
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCCTTCCAGAAGCAGTCTACTACCTCTGGCCAACAGCCCCGAGGGGCCTGACGCCTCTGCCATAG
 GCGCGCTCCCATGGCCTTTGTCCCCCAGCGGGCCTCGGGCCCCCTGCCCTTCTCCAGTTCGGCC
 GCGACTGGAGAGCGTGGACTGGAGGCGGCTGAGCGCCATCGACGTGGACAAGGTTGCCGGCGCCGTGGAC
 GTCCTGACACTGCAGGAGAACATTATGAACATCACCTTCTGCAAGCTGGAGGACGAGAAGTGCCCGCACT
 GCCAGTCAGGGGTAGACCCAGTGTCTGTAAGCTGATCCGCTGGCGCAGCTCACGATCGAATACCTGAT
 GCACTCGCAGGAGTTCCTCACCTCGCAGCTAACCTGGTGGAGGAGAGGCTGCGCCTGAGCCTGCTCGAC
 TATGAGCAGAGCAAGCAGCTGCTACCAAGCAGGCTGGCGAGATCAAGCTGCTGAAGGAGGAGTAAAC
 GCAGGAAGAAGATGCTGTCCACGCAGCAGCTGATGATAGAGGCCAAGGCCAGCTATTACCAGTGCCATTT
 CTGTGACAAGGCCTTTATGAACCAAGCGTTCCTACAAAGCCACATCCAGCGCCGCCATATGAAGACTCT
 CACCTCGAGTATAATACAAGGCCAGACCGACAGGCTCCAGAAGGAGATTGACATGTTGAAGGAACAGC
 TGACGCTCACTAGGTCTCAGCTGGAGTCTGCACAGCACTCTCATGCAGTTCGCTTCTTAAGGACTATGA
 AATGCAGAAATCAAAAGAGGAAGACTTTCTGAAGCTGTTTGACAGATGAAAAGAGGAGGAGAAGGAGAAG
 TTACTCGAGGAGATGGAGAAGGTCAAGGGGATGTTTATGAGGGAATTTAAAGAGTTAACTTCTAAGAACT
 CAGCATTAGAATATCAGTTGTTAGAAAACAGAACTAACATCCAGATCAAGTCCAACATAGGCACCTT
 AAGAGACGTTACTGAGCTGAGAGAAGACCATCTCCGTGTCCCCAGGACTTCCAGAACATGCTACAGCTG
 CTTGACAGCCAGGCAAGCAAGTGGACAGATCGATTTCAAGTCTCAACGAAGAACACAGCAAGGAAAAGG
 GGCAGCTCCTGTCCCACATAGAGAAGCTTCGAAGCTCAATGATGAAGATTTAAGTGCAGATAATGTCTT
 CTACAAGAGGCGGGTAGAAGAGTTAGGCCAGAACTGCAGGAGCAGAACGAGTGAATTATCAGTCAGAAG
 CAGCAGATTAGAGAATTTGCCAGTAAACCATACAGCAGCATCAGCGAGCTGAAAGGGACTCCTTTAACCC
 GACAAACTGGAACCTAAATCGGCTGCACCAACCACACCCATGACTGCCTCGGCCACACAGAATCTGGA
 TGGTGCATCCAGCCTGACCATGGTACATGAGCAAGTGTCTCTTACACATACTGGAACCAATAGAAGAA
 CTTTCTTCCAGAGGAGGAAAAAGTTCGAGAAAAATGAGCAGAAATTAATAAAAAGAGCTCCTTAAGGAAAC
 CGTCGAGCACCAGCCATCCCCCAGGAGCTGAGGACTAACCTGGAGCGGGAGCTGGGGAATAAACTAAG
 AAGCTTTGGGATTGGCGGAACATCCAAGGTATCCGTGCGAGATCTTGAATAGATCGCTTAAAGCCATG
 CAAGTTGCCAGACATGACCTAGCAAAACAATGCCTGACATCCAGCAAATCCGAGAAATCCCTCGAGCACC
 AGCTGATCTGTAAGATGGAGGAAAAAGTGTCACTCTTTCAGACAGGCACCATGTCCCTTCCATGACCAC
 CTTTCCACCCGAAGAAGTACCAAGGCAACCCAGCTTCCCACAAAAGCAGACCCGTTGGTCAGACAGAGA
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 GGTTTCCATCCACCAAGACGCCTCCCTTCAGCTCGGAAGAGGAGCCAGATGAAGAGGACCTCCTCCATGC
 TTACCTCTCCCCAGACTCACTTGGCACCCTGCCACACAGCCACCTAAAAGCAGCATGAGTCACTTTGGA
 AAGAGCGCTGTCAAAGTGACACGGACTGGACGGAGGGAAGTGAATGGATGACTCGGACTTCTCTCCTA
 AGCTGACAGGAACCTCCATTACGATACAGACTGACACTGTTGAGACCATGGCTTTACCCCAAGGAAGTGG
 GAATAAAGCAGTGCCGGGAATGAACCTGCTGACACGGTTATCAAAAAGGAATCGTTGCAAGAGTTAAAG
 TGCACAGATGCTGATGACGAGGACTGGGATATATCGTCTTAGAGGAAGAGAAAGTCTCTGGGGAGTAAAA
 TAGAGCAGAGGGAGCCGCTCCGGCCAAGCGGGACCCAGCTGCACCCAGGTGCAGAGGGCCTGGGGCC
 AGTGAACCCTCGGGAATTCAGGAAGAAGGACTTCATGAAAACGAACCGAGCACACTCAAGAGCAACTTA
 GTCACTGTGACTGACTGGAGCGATGTCCTGGATGTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210955 representing NM_025943
 Red=Cloning site Green=Tags(s)

MPFQKHVYYPLANSPEGPDASAIGAAPMAFVPPSAASGPLPFFQFRPRLESVDWRRLSAIDVDKVGAVD
 VLTLQENIMNITFCKLEDEKCPHCQSGVDPVLLKLI RLAQLTIEYLMHSQEF L TSQLNLVEERLRLSLLD
 YEQSKQLLTKQAGEIKLLKEECKRRRKKMLSTQQLMIEAKASYQCHFCDKAFMNQAF LQSHIQRRHTEDS
 HLEYNTKAQTDRLQKEIDMLKEQLQLTRSQLESAQHSHAVRF SKDYEMQKSKEEDFLKLFDRWKEEKEK
 LLEEMEKVKGMFMREFKELT SKNSALEYQLLEIQKSNIQIKSNI GTLRDVTELREDHLP C PQDFQNLMLQL
 LDSQASKWTRDFQVLNEEHSKEKGQLLSHIEKLRSSMMKDL SADNVFYKRRVEELGQKLQEQLIISQK
 QQIREFASKPYSSISELKGTP LTRQTLPEKSAAPTTPMTASATQNL DGASSLTMVHEQVFSHILEPIEE
 LSSEEEKGRENEQKLNKKTSLRKPSSTSPSPQELRTNLERELGNKLR SFGIGANIQGIPCEILNRS LKAM
 QVARHDLAKQMPDIQQIRESLEHQLICKMEEKVLS SDRHHVPSMTTFPPEEVPKATQLPHKSRPLVQR
 TVFTDKVSVPKLKNKTKESHFLRRFPSTKTPPF SSEEEDLLHAYLSPDSLATAATQPPKSSMSHFG
 KSAVKS DTDWTEGSEMDDSDFS PKLTGTSITIQDTVETMALPQSGGNKAVPGMNPADTVIKKESLQELK
 CTADDEDWDISSLEEEKSLGSKIEQREPPPAKRDP SCTQVQRAWGPVNPREFKEEGLHENEPSTLKS NL
 VTVTDWSDVLDV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9048_c01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

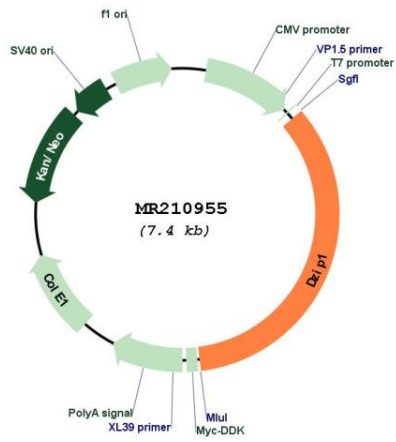
Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN:	NM_025943
ORF Size:	2556 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:	<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_025943.3 , NP_080219.2
RefSeq Size:	4476 bp
RefSeq ORF:	2559 bp
Locus ID:	66573
UniProt ID:	Q8BMD2
Cytogenetics:	14 E4
MW:	97.7 kDa
Gene Summary:	This gene encodes a zinc finger protein that has been demonstrated to interact with the deleted in azoospermia (DAZ) protein. DAZ plays an important role early in germ cell development to maintain the initial germ cell population. Deletion of this gene in mice compromises Hedgehog signaling during embryogenesis. Mouse embryos lacking the encoded protein show severe developmental defects with dorsalized neural tubes and underdeveloped somites. Alternative splicing of this gene results in multiple transcript variants. A pseudogene for this gene has been identified on chromosome 5. [provided by RefSeq, Jan 2015]

Product images:



Circular map for MR210955