

Product datasheet for MR216523

Zfp827 (NM_178267) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Zfp827 (NM_178267) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Zfp827
Synonyms: 2810449M09Rik; D630040G17Rik; Znf827
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR216523 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGCCAGGAGGAAGCAGGAGCAGCCAAAGCGCCTTCCCTCACATGTTAGTAGGCAGGACGAGGCGGAGG
 GAGATTTAGCGAAGGAGAGCAGTGGTACGGAACTCCTCTGAGACTCCGTCAGAAGCGTCTATGGGGA
 AGTCCAAGAGAATAAGCTGTCCCTGGAGGACCGGATCCAAGAGCAGTCCACATCCCCGACACCTCC
 CTGGGCAGTGCCACACCCAGCAGCCACACGCTGGAGTTGGTGGCACTTGATGGTGAAGTTCTCCGAGACT
 CGCTGCAGTGTCAAGTACCTTTCACCCGGAGTGTCTGTGTGCGATGATGACCCACCTAGTCCAA
 TAAACCTCTGAGCAGCAATTTGAGGCGGCTGTGGAGGCCGGTCCCTCAAACCTCGATGGCACAGCCAAT
 GGCAGGGTGGAGTCTCCCGTGAATGTTGGCCCCAGTCTGTCAATTTCCCTCCGTCACCATGCCAGC
 AACTCAGTGTCCCTGGCCAGGAAGCTGGCGGAGAAGCAGGACCAGAGTGACCAATTCACCCAAAGTAACCG
 TTTCATATGGAATCAAGGTAAGTGGTTGCCGAACCAACCACCTGTGGCCTGTCCCCTGACTCCGCC
 ATCCTCAAAGTAAAGCCGAGCAATGCTGTTCTGCAGGACAAATCTGTGCCGACTGAGGAGAGCC
 TGAGGTTTGTAGTCTTTTCCCTCCCGTTCAGCTCGCAGTGTGCCAGTCCACCTTGGCGGCTTGTCTAA
 GAAAGTGAGCGAGAGAAGTCTGACTCCGGTTCAGGAGCAGCCGCTCCTGCCAGCTTTTCTGTCTATTG
 GCCTCCATGACCTCCTCCGAGCCCTGCTGAAAGAAGTGGTGCCAGGGCCGGTAGCCTTCTGGTGT
 AGAAGTCATCTTTATTGCTGTGACCCTCTACCACTGCCGTCTTCTGAGAAGAAGCCAGAAAAAGTCAC
 CCCGCCCTCCCCACCTCCTCCGACAGCGCAGCCGCTCAGTCTTGAATTATTGCTACTTCCAGTT
 TCCAAGGGAAGAGCCTCAAGCCCTCAATTCAGCCCCAGAAGAAGAAAGCGGGAAGCCATTCCAATGTC
 CAATATGTGGTTTGGTTATAAAAAGGAAGAGTTACTGGAAGCGGCACATGGTGATTACACGGGCTTAA
 GAGTCATCAGTGTCCACTCTGTCCATTCCGGTGTGCTCGCAAGGACAATCTCAAATCCCACATGAAGTT
 CATCAGCATCAGGACCGGGGAGAGACTTTTCAGTGCCAGTGTGCCCTTTCACATCTCACGCCACTTCA
 GCCTGAAACTGCACATGCGTTGCCATCAGCACTTCTGAGGACAGAGGCCAAGGTGAAGGAGGAGATCCC
 AGACCCAGATGTCAAGGGATCTCCACCTCAGTGACAGTGGCTGCTGGGCAGCAGAGGAAGGAGGA



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GGGACAGAGCTAGTGGGGACCGTGATGACGTCTAACACGCCAGAGAGGACTGGCCAGGGTGGGGCTGGCG
 TTGCACCTTTGCTGGTGAAGGAGGAGCCCAAGGAAGATAACGGCCTGCCACCTCCTTTACCTTGAATGC
 TGCCGACAGGCCCGCCAAACCACACAAAGCTGAAAGACCCCTCCGAGTATGTGTCCAACAGTGCAGCAGTA
 TTGTTTCAGCCAGGACATCTCGTTAAGATGGCCTCCGATTTTCTCATGAAGCTGTGAGCTGCAAACCAGA
 AGGAGCCTATGAATCTTAATTTTAAAGTGAAGGAGGAGCCCAAGGAAGAGGAGTCCCTGAGCATGCCTTT
 GCCTCGCTCCAGTACGTGTTACGCCCCGAACCGAAGTGTCTACCCCAAGCGTCTCCGAGACCCACTT
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 TGAAACTCTCAGCGGAAAAGCTACAAGGAGACGCAGGCGGTGACGGTTAAAGAAGAACCCTGGAGGTGGA
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 AAAACTGAACCCTTACAGAAGCTGCCAGAAGTTCGAGTTCACCCAGAGAGAAATCTCTTCAGCCAGGACA
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 GAAAGAAAACGCAATGCGGACAACCACCAGCCCTTTCTTTTCAGAAGACACATTTAGACAATCACCATT
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 TGTGTGTGGGAAAGTGTTCGGACGACAGCAGACATTGTCTGACACCTCTCATTGCACACAGAGGAAAGA
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 ACTCTGTGAAGCTCGTGAGTACCACACCGAGGACATAGTCAGTGTGCTCACTTCTGAGGGCAGTGTGG
 GAAGAAACACCCGTATTACTACAGTTGCCACGTGTGTGGATTTGAGACGGAGCTCAATGTTCACTTTGTA
 AGCCACATGTCTCTCCATGTGGACAAGGAACAGTGGATGTTTTCCATCTGCTGCACGGCCTGCGACTTTG
 TCACCATGGAGGAAGCAGAGATAAAGACTCACATTGGCACCACAGCAGGGGATGATAGGAAGACCCC
 CAGTGAATCGAACAGCCCTCTTCATCCTCCCTGTCAACTCTGAGTGATTAGCCAATGGCAAAGATGAC
 TCAGACAGCTCCAGAAAAACAAGGGCGGGAACAACTTGTGTCATCTCTGTGGTGCCTGCTGCAAGC
 CCTCACTGAACAACGAGGAAAAGCCAGAAAAGGGTTCGAATGCGTTTTTTGCAACTTTGTCTGCAAGC
 GAAGAATATGTTTGAGCGCCATCTGCAAAATCCACCTCATCACCCGATGTTTGAGTGTGATGTGTGCCAC
 AAGTTCATGAAGACTCCCGAACAGCTGCTGGAGACAAGAAATGCCACACTGTCCCCACCGTGGGCTCA
 ACTCAGGACAGTGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR216523 protein sequence
 Red=Cloning site Green=Tags(s)

MPRRQEQPKRPLPSHVSRQDEAEGDFSEGEQWYGNSETPSEASYGEVQENYKLSLEDRIEQSTSPDTS
 LGSATPSSHTLELVALDGEVLRDSLQCQGHLSPGVSSVCDPPSSNKPLSSNLRRLLLEAGSLKLDGTAN
 GRVESPVNVGPSLSFSPSSHAAQQLSVLARKLAEKQDQSDQFTPSNRFIWNQGWLPNSTTTCGLSPDSA
 ILKLLKAAANAVLQDKSLSRTEESLRFESFSSPFSSQSASSTLAALSCKVRSERSLTPGQEHPPASSFSL
 ASMTSSAALLKEVAARAAGSLLAEKSSLLPDDPLPLPSSEKKPEKVTPPPPPPPTAQPQSLLELLLPLV
 SKGRASKPSNSAPEEESGKPFQCPICGLVIKRSYWKRMVIHTGLKSHQPLCPFRCAKDNLKSCHKV
 HQHQDRGETFQCQLCPFTSSRHFSKLLHMRCHQHFLRTEAKVKEEIPDPDVKGSPLSDSGCLGQQREGG
 GTELVGTVMSTNTPERTGQGGAGVAPLLVKEEPEDNGLPTSFTLNAADRANHTKLKDPSEYVNSAAV
 LFSQDISVKMASDFLMKLSAANQKPEMNLNFKVKEEPKEEESLMSPLPRSSYVFSPEPEVSTPSVSEDP
 TPQEGKGSVLRDMSAKAASELLMKLSAESYKETQAVTVKEEPMEVDIQDSPASISPSRNIGYSTLMGRE
 KTEPLQKLPEGRVPPERNLFSQDISVKMASELLFQLSEKVSKEHNHTKENAMRTTSPFFSEDTFRQSPF
 TSNSKDLLPGESVLHGRVSAPETEKIIVLEAGNGLPSWKFNDQLFPCDVCGKVFGRQTLRHLRSLHTEER
 KYKCHLCPYAAKCRANLNQHLTVHSVKLVSTDTEDIVSAVTSEGS DGKKHPYYSCHVCGFETELNVQFV
 SHMSLHVDKEQWMSICCTACDFVTMEEAEIKTHIGTKHTGDDRKTPSESNPSSSSLSTLSDSANGKDD
 SDSSQKNKGGNLLVISVPGSQPSLNNEEKPEKGFECVFCNFVCKTKNMFERHLQIHLITRMFECVCH
 KFMKTPEQLLEHKKCHTVPTGGLNSGQW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_178267

ORF Size: 3237 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.

RefSeq: [NM_178267.3](#), [NP_839998.2](#)

RefSeq Size: 7625 bp

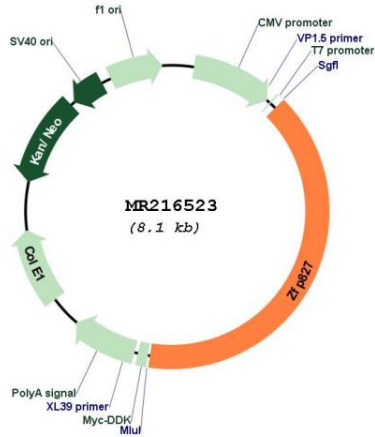
RefSeq ORF: 3237 bp

Locus ID: 622675

UniProt ID: [Q505G8](#)

Cytogenetics: 8 C1
 MW: 118.5 kDa
 Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR216523