

Product datasheet for MR203639

Zfp637 (NM_177684) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp637 (NM_177684) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zfp637
Synonyms:	AI646709; BC021601; Znf32
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203639 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTTGGGTTCCCAACAGCTACCCTGCTGGACTGTCATGGAAGATACGCCAGAATGTAGCCTTTTTCA
ATGTGATGACAGAAGCCACAAGTATGATCCTTCAGAGGCCACAGGATCCTCAAGCTGGGATTTCCAGAG
CTCTTTCAGAAGAGAGAAGCTGGAACAAAAGTCCCGGAGTCTAAGGCCCTCCAGGAAGACTCACCTGGA
GTGAGGCAGAAGGTCTATGATTGCCAGGAATGTGGGAAGTCTTCCGGCAGAAAGGGAGCCTAACGCTGC
ACGAGAGAATCCACACTGGTCAGAAGCCCTTTGAGTGCACCCAGTGTGGGAAAAGCTTCAGGGCCAAGGG
CAACCTGGTTACACATCAGCGGATCCACACAGGAGAGAAGCCCTATCAGTGCAAAGAGTGTGGGAAAAGC
TTCAGTCAGCGAGGCAGCCTGGCTGTCCACGAGAGACTCCACACTGGACAGAAACCTACGAGTGTGCCA
TTTGCCAGAGGAGCTTCCGAAATCAAAGTAACTCGCCGTGCACCGAAGAGTTACAGCGGTGAGAAGCC
CTATAGATGCGACCAAGTGTGGAAAAGCTTTCAGCCAGAAAGGAAGCTTAATTGTGCACATCCGCGTCCAC
ACGGGTCTGAAGCCCTACGCGTGTCCCACTGCAGGAAGAGCTTCATACCAGGGGCAACTGTCTCCTGC
ATGAAAAGTCCACACGGGAGAGACACCCTATCTCTGTGGCCAGTGTGGGAAAAGTTTCACTCAGAGAGG
GAGCCTGGCTGTGCACCAGCGAAGCTGCTCACAAACGGCTCACTCTG

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203639 protein sequence
Red=Cloning site Green=Tags(s)

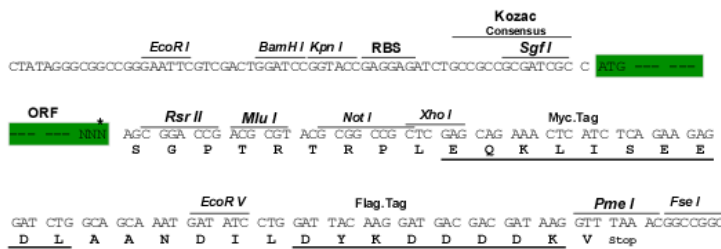
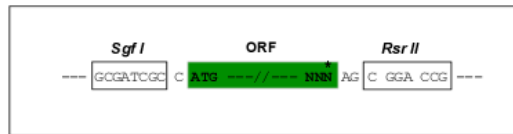
MFGFPTATLLDCHGRYAQNVAFFNVMTEAHKYDPSEATGSSSWDFQSSFRREKLEQKSPESKALQEDSPG
 VRQKVYDCQECGKSFQKGSLLTHERIHTGQKPFECTQCGKSFRAKGNLVTHQR IHTGEKPYQCKEKGKS
 FSQRGSLAVHERLHTGQKPYECAICQRSFRNQSNLAVHRRVHVSGEKPYRCDQCGKAFSQKGS�IVHIRVH
 TGLKPYACSHCRKSFHTRGNCLLHGKVHTGETPYLCCGQCGKSFQKGS�AVHQKSCSQRLTL

SGPTRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_177684

ORF Size: 819 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: [NM_177684.3](#)

RefSeq Size: 1114 bp

RefSeq ORF: 819 bp

Locus ID: 232337

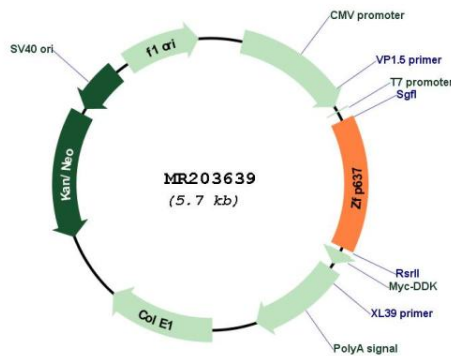
UniProt ID: [Q80V23](#)

Cytogenetics: 6 F1

MW: 30.8 kDa

Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203639