

Product datasheet for **RC202780**

ZNF237 (ZMYM5) (NM_001039649) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ZNF237 (ZMYM5) (NM_001039649) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: ZNF237
Synonyms: HSPC050; MYM; ZNF198L1; ZNF237
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC202780 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAAAAATGTTCAAGTGGGAGGATTAGAGTTGACTGAACAGACTCCTGCTTTATTAGGGAATATGGCCA
 TGGCAACTAGTCTCATGGACATAGGGGATTCATTTGGTCATCCAGCTTGCCTTTAGTCAGTAGATCTAG
 GAACTCACCAGTGAAGATGATGATGATGATGATGATGTTGTGTTTATTGAATCTATAACAACCTCCTTCA
 ATTTCTGCTCCAGCAATAGCTGATCAAAGAACTTCATATTTGCATCATAAAAAATGAAAAGCCTCAAG
 GAAATTATTCTGTAATTCCTCCTCTTCAAGAGATTTGGCATCTCAGAAGGAAATATAAGTGAGACAAT
 TGTATTGATGATGAAGAGGACGTAGAAACAAATGGAGGAGCAGAGAAAAAGTCTTCCTTTTTTATCGAA
 TGGGGACTTCTGGAACAAAAACAAACCAACGATTTGGATTTCTCCACTTCCAGTCTTTCAAGAAGTA
 AGACCAAGACTGGAGTAAGACCTTTAACCTGGTAGAATGAATGTGGCAGGAGACTTATTTCAGAATGG
 AGAATTTGCAACTCATCATAGTCCTGAGATGCATCTACAAAGAAGGCTAATGTCATTCTCCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC202780 protein sequence
 Red=Cloning site Green=Tags(s)

MEKCSVGGLELETEQTPALLGNMAMATSLMDIGDSFGHPACPLVSRSRNSPVEDDDDDVVFIESIQPPS
 ISAPAIADQRNFIASSKNEKPQGNYSVIPPSSRDLASQKGNISETIVIDDEEDVETNGGAEKSSFFIE
 WGLPGTKNKTNDLDFSTSSLRSRKTGTGVRFPNPGRMNVAGDLFQNGEFATHHSPMHLQRRLMSFFQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



[View online »](#)

Chromatograms: https://cdn.origene.com/chromatograms/mk6415_d07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001039649

ORF Size: 624 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_001039649.2](#), [NP_001034738.1](#)

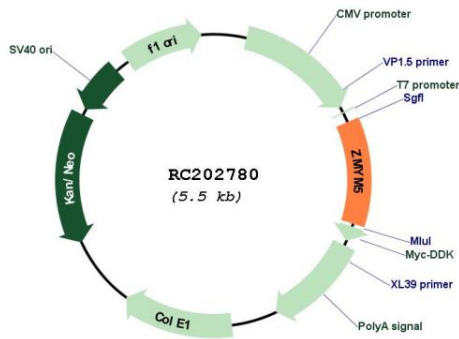
RefSeq Size: 1249 bp

RefSeq ORF: 627 bp

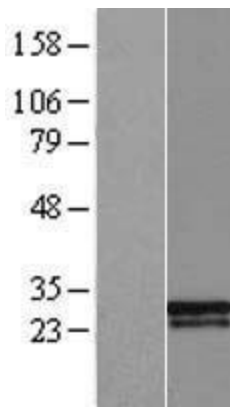
Locus ID: 9205

UniProt ID: [Q9UJ78](#)
Cytogenetics: 13q12.11
MW: 22.7 kDa
Gene Summary: Functions as a transcriptional regulator.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC202780



Western blot validation of overexpression lysate (Cat# [LY422097]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202780 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).