

Product datasheet for **RC227080**

ZFY (NM_001145276) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	ZFY
Synonyms:	ZNF911
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >RC227080 representing NM_001145276
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGATGAAGATGAATTTGAATTGCAGCCACAAGAGCCAACTCATTTTTTGTGGAATAGTGGATGATG
 CTGGCAAAATAGAACATGATGGTTCCACTGGAGTGACCATCGATGCAGAATCAGAAATGGATCCTTGTA
 AGTGGATAGCACTTGCTCTGAAGTCATCAAGGTGTACATTTTTAAAGCTGACCTGGAGAAGATGACTTA
 GGTGGAACGTAGACATTGTGGAGAGTGAACTGAAATGATCATGGAGTTGAACTACTTGATCAGAACA
 GCAGTATTCGTGTTCCAGGAAAAAGATGGTTTATATGACTGTCAATGACTCTCAACAAGAAGATGAAGA
 TTTAAATGTTGCTGAAATTGCTGATGAAGTTTATATGGAAAGTATCGTAGGAGAGGAGGATCTGCTGTT
 GCAGCAGCAGCAGCTGCTGTGCATGAGCAGCAATTGATGAGGATGAAATGAAAACCTTCGTACCAATTG
 CATGGGCAGCAGCTTATGGTAATAATTCTGATGGAATTGAAAACCGGAATGGCACTGCAAGTGCCCTCTT
 GCACATAGATGAGTCTGCTGGCCTTGGCAGACTGGCTAAACAGAAACCAAGAAAAAGAGAAGACCTGAT
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 TTTGTGGGAAGAAGTTTAAAGTCGAGGGGTTTTTTGAAAAGACACATGAAAAACCATCTGAACACCTTGC
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 ATGCAGGGGCTTTGTTTACTCACAATAAGTGCATAAGGAAAAAGGGCCAAACAAATGCACAAGTGTA
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 TTTCTCATATTTGTGGAGTGTGGTAAAGGTTTCCGACACCCGTCGGAAGTGAAGAAGCAGATGCGAA
 TCCATACCGGCGAGAAGCCATACCAATGCCAGTACTGTGAATATAGGTCTGCAGACTCTTCTAAGTGA
 AACACATATAAAAAACAAAGCATAGTAAAGAGATGCCATTCAAGTGTGACATTTGTCTCTGACTTTCTCA
 GATACCAAGAAGTGCAGCAACATACTCTGTCCACCAAGAAAGCAAAACACATCAGTGTGTTGCATTGCG
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 TAAGTGTGAGATGTGCGAGAAAGGCTTTACAGGCCTTCAGAACTTAAGAAACATGTGGCTGTCCACAAA
 GGTAAAAAATGCACCAATGTAGACATTGTGACTTTAAGATTGCAGACCCATTGTTCTAAGTCGCCATA
 TTCTCTCAGTTCACACAAGGATCTTCCATTTAGGTGTAAGAGATGTAGAAAGGATTTAGGCAACAAAA
 TGAGCTTAAAAAGCATATGAAGACACACAGTGGCAGGAAAGTATATCAGTGTGAGTACTGTGAGTATAGC
 ACTACAGATGCCTCAGGCTTTAAACGGCAGCTTATTTCCATTACATAAAAGACTATCCTCATCGGTGTG
 AGTACTGCAAGAAAGGCTTCCGAAGACCTTCAGAAAAGAACAGCACATAATGAGACACCATAAAGAAGT
 TGGTCTGCCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC227080 representing NM_001145276
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MDEDEFELQPQEPNSFFDGI VDDAGKIEHDGSTGVTIDA ESEM DPCKVDSTCPEVIK VYIFKADPGEDDL
 GGTVDIVESEPENDHGVELLDQNSSIRVPREKMYMTVNDSSQDEEDLNVAEIADEVYMEVIVGEEDA
 AAAAAVHEQQIDEDEMTFVPIAWAAAYGNNSDGIENRNGTASALLHIDE SAGLGR LAKQKPKKKRRPD
 SRQYQT AIIIGPDGHPLTVYPCMICGKKFKSRGFLKRHMKNHPEHLAKKKYHCTDCDYTTNKKISLHNHL
 ESHKLTSKAEKAI ECDCEGKHFSHAGALFTHKMVHKEKGANKMHKCKFCEYETA EQGLLNRLHLLAVH
 SKNFPHICVECGKGRFHRPSELRKHMRIHTGEKPYQCQYCEYRSADSSNLKTHIKTKHSEMPFKDCICLLTFS
 DTKEVQQHTLVHQESKTHQCLHCDHKSNSDLKRHVISVHTKDYPHKCEMCEKGFHRPSELKKHVAVHK
 GKMKHQCRHCDFKIADPFVLSRHILSVHTKDL PFRCKRCKRQGNELKKHMKTHSGRKVYQCEYCEYS
 TTDASGFKRHVISIHTKDYPHRCYCKGFRFPSEKNQHIMRHHKEVGLP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8033_a03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001145276

ORF Size: 1830 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.

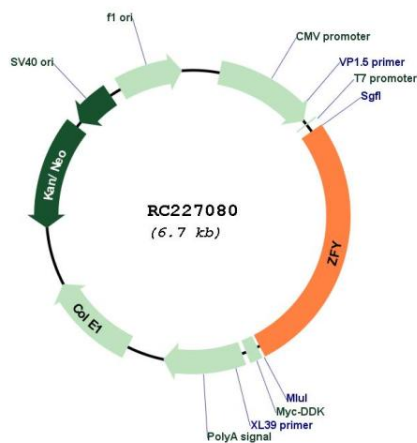
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001145276.2](#)

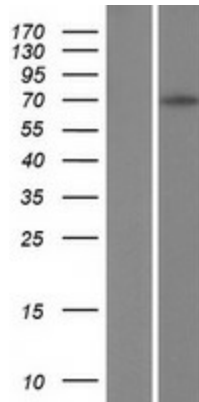
RefSeq ORF: 1833 bp

Locus ID:	7544
UniProt ID:	P08048
Cytogenetics:	Yp11.2
Protein Families:	Transcription Factors
MW:	69.7 kDa
Gene Summary:	This gene encodes a zinc finger-containing protein that may function as a transcription factor. This gene was once a candidate gene for the testis-determining factor (TDF) and was erroneously referred to as TDF. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC227080



Western blot validation of overexpression lysate (Cat# [LY428780]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC227080 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).