

Product datasheet for **RC237400**

ZNF101 (NM_001300949) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF101 (NM_001300949) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF101
Synonyms:	HZF12
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC237400 representing NM_001300949 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAGAGCTCATGCTGGACACAAACGATCTGAGTGTGGTGGGGAATGGAGAGAGACGCCCGTAAACAGA
AACACATGGGAAAGCCTCCATTTCCCCAGTAGTGGTGCACGGCGCACAGTAACACCAACTCGAAAGAG
ACCTTATGAATGCAAGGTGTGCGGAAAGCCTTAATTCTCCCAATTTATTTCAAATCCATCAAAGAACT
CACACTGGAAAGAGGTCCTATAAATGTAGGAAATAGTGAGAGCCTTCACAGTTTCCAGTTTCTTTTCGAA
AACATGGAAAAATGCATACTGGAGAAAAACGCTATGAATGTAATACTGTGAAAAACCTATCGATTATCC
CAGTTTATTTCAAATTCATGTTAGAACTCACACTGGAGAAAAACCTTACAAATGTAACAATGTGGTAAA
GCCTTCATTTCCGCAGGTTACCTTCGGACACATGAAATCAGATCTCACGCGCTGGAGAAATCCCACCAAT
GTCAGGAATGTGGGAAAAAACTCAGTTGTTCCAGTTCCCTTCACAGACATGAAAGAACTCATAGTGGAGG
AAAACCTACGAATGTCAAAAAATGTGCCAAAGTCTTTAGATGTCCACGTCCTTCAAGCACATGAAAGA
GCTCACACTGGAGAAAGACCTTATGAATGTAATAAATGTGGTAAAACCTTCAATTATCCCAGTTGTTTTTC
GAAGACATAAAAAAACTCATAGTGGAGAAAAGCCATATGAATGTACAAGGTGTGGTAAAGCCTTTGGGTG
GTGCAGTTCCCTCCGAAGACATGAAATGACTCACACTGGAGAAAAACCTTTGATTGTAACAGTGTGGT
AAAGTCTTTACTTTTTCAAATTACCTTAGACTTCATGAAAGAACTCATTTGGCCGGGCGTAGCCAGTGCT
TTGGCAGGAGGCAGGGGATCACCTGAGCCAGGAGTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237400 representing NM_001300949
 Red=Cloning site Green=Tags(s)

MRAHAGHKRSECGGEWRETPRKQKQHGKASISPPSSGARTVTPTRKRPYECKVCGKAFNSPNLFQIHQRT
 HTGKRSYKCREIVRAFTVSSFFRKHGKMHTEKRYECKYCGKPIDYPSLFQIHVRTHTEKPKYCKQCGK
 AFISAGYLRTHEIRSHALEKSHQCQECGKKLSCSSSLHRHERTHSGGKLYECQKCAKVFRCPTSLQAHER
 AHTGERPYECNKCGKTFNYPSCFRRHKKTHSGEKPYECTRCGKAFGWCSLRRHEMHTHTGEKPFDCQCG
 KVFTFSNYLRLHERTHLAGRSQCFGRRQGDHLSPGV

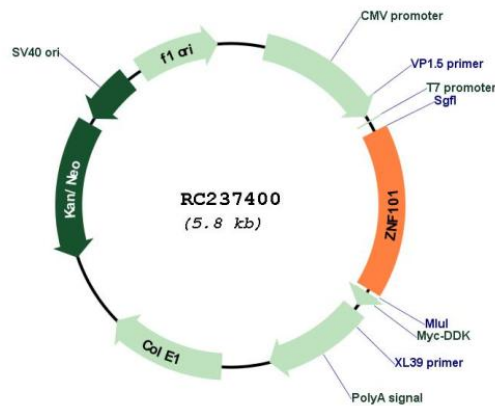
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001300949

ORF Size: 948 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_001300949.1 , NP_001287878.1
RefSeq Size:	4581 bp
RefSeq ORF:	951 bp
Locus ID:	94039
UniProt ID:	Q8IZC7
Cytogenetics:	19p13.11
Protein Families:	Druggable Genome, Transcription Factors
MW:	36.9 kDa
Gene Summary:	Zinc finger proteins (ZNFs), such as ZNF101, bind nucleic acids and perform many key functions, the most important of which is regulating transcription (summary by Bellefroid et al., 1993 [PubMed 8467795]). See ZNF91 (MIM 603971) for general information on ZNFs. [supplied by OMIM, Nov 2010]