

Product datasheet for **RC230036**

ZNF641 (NM_001172682) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	ZNF641
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-Entry (PSI00001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC230036 representing NM_001172682
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGCTTT**CAGAACAGACAGCAGCGCTGGGGACAGGATGGGAATCAATGAATGTACAGCTGGATGGAGCAG**
AGCCCCAGGTGGAAAGGGGAAGCCAGGAAGAGCGGCCATGGAGAACAGTACCAGGACCTCTGGAGCACCT
GTGCTGTGACCTTGAAGAGGAGCCACAGTCCCTTCAGGAGAAGGCTCAGTCTGCTCCCTGGGTTCTGCA
ATCCCCAGGAGGGGAACACTGGAGACTGGGAGATGGCAGCTGCACTTCTTGCGGCTGGATCACAGGTGA
GCTCTGCTTCCCTTGCGCTCTCCTGTGGTCCCACACTGCTGCCTTTGTATTGCTTTCGCATCAGCCAT
TGATGAGTTGGCTCACATGATCATCAATGGATTTCGAATCCCAAACTGGACATGCTTCTCAACTAGAA
GGAGGAGAAGAACAATGGGTCCCTGACCCCAAGGACTTAGAGGAGAGGGACATTCTGAGGGTCACATATA
CAGGAGATGGAAGTGAACATGAGGGGATACCCCTGAAGTGAAGCAGAACCTCCAGAATGTTATCCAG
CGTGTCTGAAGATACTGTTCTCTGGAACCCGGAGCATGATGAGAGCTGGGATTCCATGCCAGCAGCTCC
AGAGGAATGCTCCTGGGCCCCCTTTCTTCAGGAAGATAGTTTCTCAACCTGCTGTGTAGCACAGAGA
TGGATTCCCTGTAAAGACCCACACATGCCCCAGTGTGGGAAACAGTTTGTATGGGGTTCCACCTTGC
CAGGCATCAACAAACACACTGGGGAGAGACCCTACAGCTGCCTCAAGTGTGAGAAGACCTTTGGGCGA
AGACATCACCTCATCAGGCACCAGAAAACCCACCTACATGACAAGACCAGCAGGTGCTCTGAGTGTGGTA
AGAATTTCCGATGCAACTCCCATCTGGCCAGCCACCAGAGTGCATGCAGAAGGCAATCCTGCAAAGG
CCAAGAGTTGGAGAGAGCCCTGGCACAAGGAAACGGCAGCGTGCCCCACCAAGTGCCAAAGTGTACCTG
TGCACTGAATGTGGGAAGAGCTTTGGCCGAAGGCACCACCTTGTGAGACACTGGCTGACCCACACTGGGG
AGAAGCCCTTCCAGTGCCTCGCTGTGAGAAGAGCTTTGGCCGAAACATCACCTGGACAGGCACCTGCT
CACCCACCAGGGACAAAGTCCCGGAACAGCTGGGACAGAGGAACATCTGTCTTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>RC230036 representing NM_001172682

Red=Cloning site Green=Tags(s)

MLSEQTAALGTGWESMNVQLDGAEPQVERGSQEERPWRTVPGPLEHLCCDLEEEPQSLQEKAQSAPWVPA
IPQEGNTGDWEMAAALLAAGSQVSSASLGVSCGPITAAFVLLSHQPIDELAHMIINGFPIPKLDMLSQLE
GGEEQWVPDQDLEERDILRVITYTGDGSEHEGDTPELEAEPPRMLSSVSEDVTLWNPEHDESWDSPSS
RGMLLGPPFLQEDSFNLLCSTEMDSLRLPHTCPQCGKQFVWGSHLARHQHTHTGERPYSCLKCEKTFGR
RHHLIRHQKTHLHDKTSRCSECGKNFRCNSHLASHQRVHAEGKSKQGQEVGESPGTRKRQRAPPVVKCHV
CTECGKSFGRRHLLVRHWLTHTGEKPFQCPRCEKSFGRKHLLDRHLLTHQGQSPRNSWDRGTSVF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

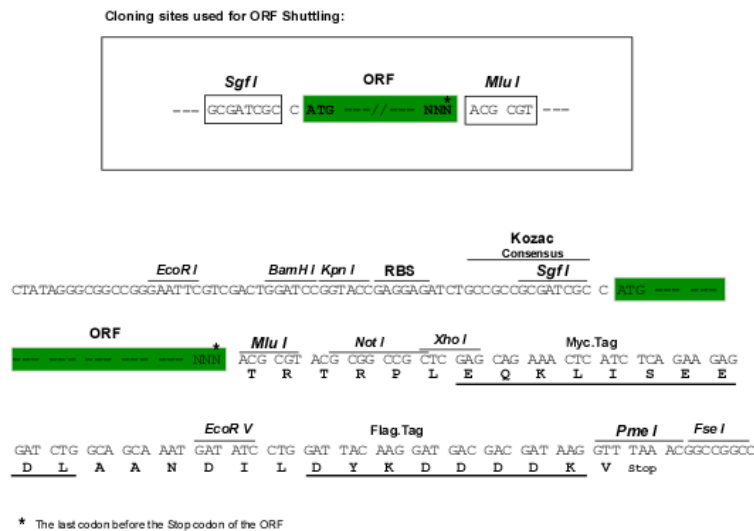
Chromatograms:

https://cdn.origene.com/chromatograms/mk8058_c01.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_001172682

ORF Size:

1245 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:

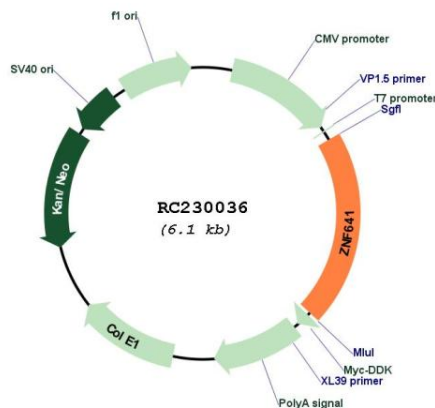
This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components:

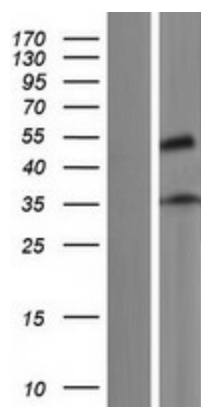
The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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:	<u>NM_001172682.2</u>
RefSeq ORF:	1248 bp
Locus ID:	121274
UniProt ID:	<u>Q96N77</u>
Cytogenetics:	12q13.11
Protein Families:	Transcription Factors
MW:	47 kDa
Gene Summary:	Transcriptional activator. Activates transcriptional activities of SRE and AP-1.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC230036



Western blot validation of overexpression lysate (Cat# [LY433036]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC230036 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).