

Product datasheet for **RC220978**

ZNF483 (NM_001007169) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF483 (NM_001007169) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF483
Synonyms:	ZKSCAN16; ZSCAN48
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC220978 representing NM_001007169 Red =Cloning site Blue =ORF Green =Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGCAAGCTGTAGTGCCCTTGAACAAGATGACAGCCATCTCACCAGAACCTCAAACCTGGCCTCGACTG
 AACAAATGAGGTCCCAAGAGTGGTTACTTCTGGGAACAAGAAGCTATTTAAGAGGAAATGCTGCTGA
 TGCAGAGTCTTTCAGACAGAGGTTTAGGTGTTTTGTTACTCAGAAGTAGCTGGACCCAGGAAAGCTCTG
 AGTCAACTCTGGGAGCTCTGCAATCAGTGGCTGAGACCAGACATTCACACGAAAGAACAGATTTTAGAGC
 TTCTGGTGTGAGCAGTTCCTGACCATTTGCCTGGGAGATCAGGATTTGGGTAAAGTCACAACATCC
 TGAGAGTAGTGAGGAAGTGGTGACCCTAATAGAAGATTTGACCCAGATGCTTGAAGAAAAAGATCCAGTC
 TCTCAAGATTCTACTGTTTCCCAAGAGGAGAACTCAAAAGAGGATAAAATGGTCACTGTTTGTCCCAATA
 CTGAGTCTGTGAATCTATAACATTGAAGGATGTAGCTGTGAACCTTTCAAGAGGAGAGTGGAAGAAGCT
 GGAGCCTTTTCAAAGGAGCTATATAAGGAAGTGCTACTGGAAAACCTCAGGAACCTAGAATTTCTGGAC
 TTTCCAGTTTCAAATTAGAGTTGATTTCCAGCTAAAGTGGTTGAATTGCCATGGCTGCTGGAAGAAG
 TCTCAAAAGCTCCCGACTAGACATACATGGAGCAGTAAAAAGATGCAGATGTTCTCTGAGGCTGAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC220978 representing NM_001007169
 Red=Cloning site Green=Tags(s)

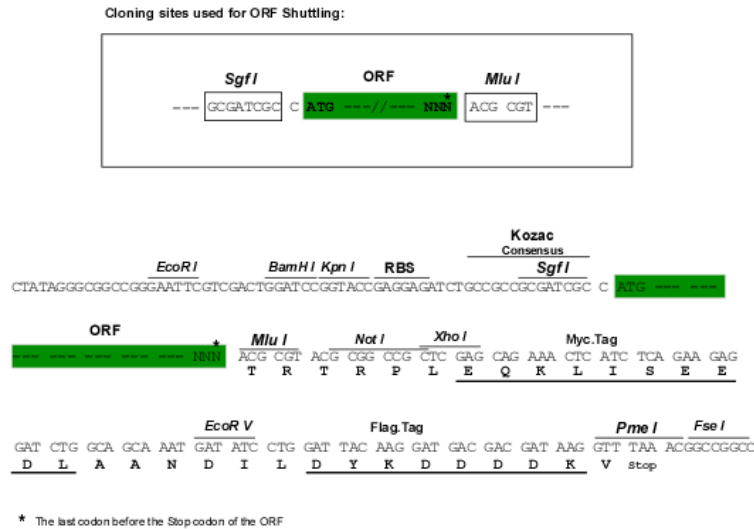
MQAVVPLNKMTAISPEPQTLASTEQNEVPRVVTSGEQEAILRGNAADAESFRQFRWFCYSEVAGPRKAL
 SQLWELCNQWLRPDIHTKEQILELLVFEQFLTILPGEIRIWWKSQHPESSEEVTLIEDLTQMLEEKDPV
 SQDSTVSQEENSKEDKMTVCPNTESCESITLKDVAVNF SRGEWKLEPFQKELYKEVLLENLRNLEFLD
 FPVSKLELISQLKWVLPWLLEEVSKSSRLDIHGAVKKMQMFSEAE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1259_e08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001007169

ORF Size: 768 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_001007169.5

RefSeq Size: 2434 bp

RefSeq ORF: 771 bp

Locus ID: 158399

UniProt ID: Q8TF39

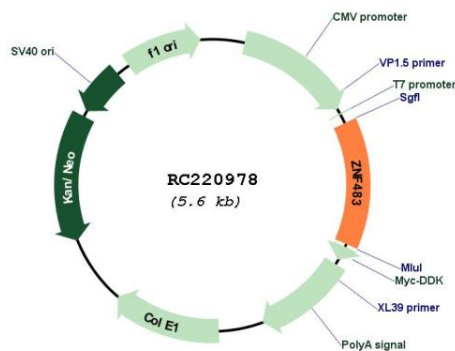
Cytogenetics: 9q31.3

Protein Families: Transcription Factors

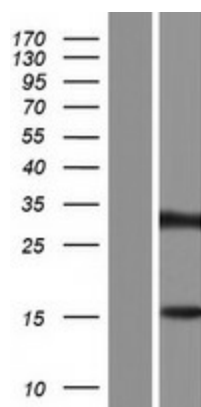
MW: 29.4 kDa

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

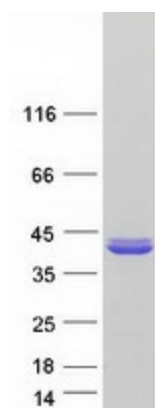
Product images:



Circular map for RC220978



Western blot validation of overexpression lysate (Cat# [LY422806]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC220978 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified ZNF483 protein (Cat# [TP320978]). The protein was produced from HEK293T cells transfected with ZNF483 cDNA clone (Cat# RC220978) using MegaTran 2.0 (Cat# [TT210002]).