

Product datasheet for **RG220978**

ZNF483 (NM_001007169) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF483 (NM_001007169) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF483
Synonyms:	ZKSCAN16; ZSCAN48
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG220978 representing NM_001007169 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAAGCTGTAGTGCCCTTGAACAAGATGACAGCCATCTCACCAGAACCTCAAACCTCTGGCCTCGACTG
AACAAATGAGGTCCCAAGAGTGGTTACTTCTGGGAACAAGAAGCTATTTAAGAGGAAATGCTGCTGA
TGCAGAGTCTTCAGACAGAGGTTTAGGTGTTTTGTTACTCAGAAGTAGCTGGACCCAGGAAAGCTCTG
AGTCAACTCTGGGAGCTCTGCAATCAGTGGCTGAGACCAGACATTCACACGAAAGAACAGATTTTAGAGC
TTCTGGTGTGAGCAGTTCCTGACCATTTGCCTGGGAGATCAGGATTTGGGTAAAGTCACAACATCC
TGAGAGTAGTGAGGAAGTGGTGACCCTAATAGAAGATTTGACCCAGATGCTTGAAGAAAAAGATCCAGTC
TCTCAAGATTCTACTGTTTCCCAAGAGGAGAACTCAAAAGAGGATAAAATGGTCACTGTTTGTCCCAATA
CTGAGTCCTGTGAATCTATAACATTGAAGGATGTAGCTGTGAACCTTTCAAGAGGAGAGTGGAAGAAGCT
GGAGCCTTTTCAAAGGAGCTATATAAGGAAGTGCTACTGGAAAACCTCAGGAACCTAGAATTTCTGGAC
TTTCCAGTTTCAAATTAGAGTTGATTTCCAGCTAAAGTGGGTGAATTGCCATGGCTGCTGGAAGAAG
TCTCAAAAGCTCCCGACTAGACATACATGGAGCAGTAAAAAGATGCAGATGTTCTCTGAGGCTGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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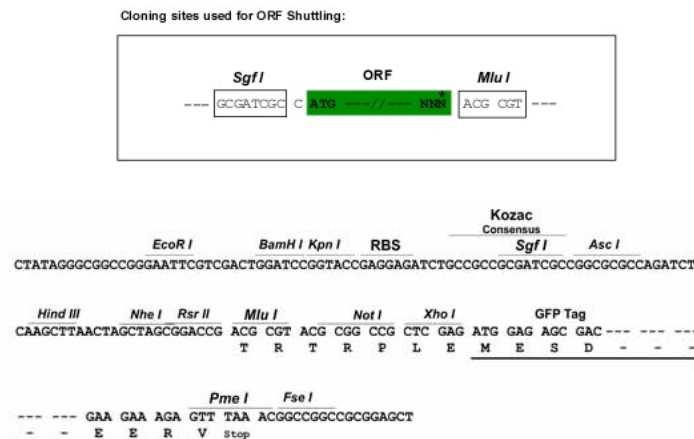
Protein Sequence: >RG220978 representing NM_001007169
 Red=Cloning site Green=Tags(s)

MQAVVPLNKMTAISPEPQTLASTEQNEVPRVVTSGEQEAILRGNAADAESFRQFRWFCYSEVAGPRKAL
 SQLWELCNQWLRPDIHTKEQILELLVFEQFLTILPGEIRIWWKSQHPESSEEVTLIEDLTQMLEEKDPV
 SQDSTVSQEENSKEDKMVTVCNTESCESITLKDVAVNFSRGWKKLEPFQKELYKEVLLENLRNLEFLD
 FPVSKLELISQLKWVELPWLLLEVSKSSRLDIHGAVKKMQMFSEAE

TRTRPLE – GFP Tag – V

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.

RefSeq: [NM_001007169.5](#)

RefSeq Size: 2434 bp

RefSeq ORF: 771 bp

Locus ID: 158399

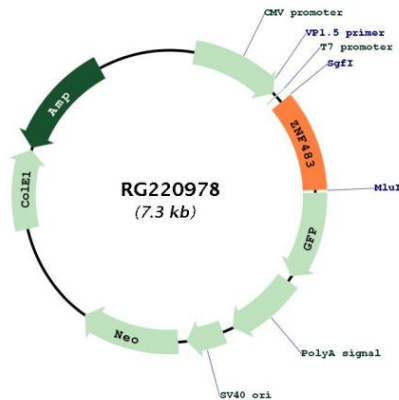
UniProt ID: [Q8TF39](#)

Cytogenetics: 9q31.3

Protein Families: Transcription Factors

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

Product images:



Circular map for RG220978