

Product datasheet for **RG204364**

ZNF485 (NM_145312) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ZNF485
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PSI00010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG204364 representing NM_145312
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGCTGGAGAAGTATGGGAATCTGGTGTCTGTGGGCTTCTCTCTTCCAAACCAAACTAATTACTCAGT
TGGAGCAAGGGGCAGAGCCCTGGACTGAGGTGCGAGAGGCTCCATCAGGCACACATGCAGTCGAGGATTA
CTGGTTTGAACAAAGATGTCAGCCCTAAAGCAAAGCACTTCTGAAGCATCCGTTCTGGGAGAGCGAAGC
AAAAGTGTCATGATGGAAGGCTGGACTGGGAGGGCAGAAGCTCCACAGAGAAGAACTATAAGTGCA
AGGAATGTGGGAAAGTCTTCAAATACAATTCGTCCTTTATTAGCCACCAGAGAAATCACACCAAGTGA
ACCACATAAATGTAAGAATGTGGGATCGCCTTTATGAACAGTTCATCCCTTTAAATCACCATAAGGTT
CATGCAGGCAACAGCCTTATAGATGATTGAATGTGGGAAGTTCCTGAAGAAGCACTCAACGTTTATCA
ACCATCAGAGAATTCATTCTAGGGAGAAACCCACAAATGCATTGAATGTGGAAAACTTTAGAAAAGAA
CTCAATCCTTTAAGTCATCAGAGAATTCATACTGGCCAGAAACCTACAAATGTAATGACTGTGGGAA
GCCTTCGCTCAGAATGCAGCTCTTACTCGTCATGAAAGAATACATAGTGGAGAGAAGCCTTTAAATGTA
ACAAGTGTGGGAGAGCTTTAGGGATAATTCAACTGTGTTGGAACATCAGAAAAATCCATACTGGTGAGAA
GCCATATCAGTGTAATGAATGTGGAAAGCCTTTAGGAAGAGCTCAACTCTTATTAGTCACCAAGAAATG
CATACTGGGAGAAACCTATCACTGCAGTAAATGTGGAAATCTTTAGGTATAGCTCATCCTTTGCTG
GTCATCAGAAAACCTCACAGTGGAAATAACCGTATCAGTGTGCTGACTGTGGGAAGGCCTTTACAAAGAG
CTCAACCTTACTGGACATCAGAGAATTCATACTGGAGAAAAACCTATCACTGTAAGAAATGTGGGAAA
GCCTTCGCGCACAGCTCAGGCCTTGTGAACATCAGAGACTCCATACTGGGAAAAACCTTATAATGTA
ATGAATGTGGGAAAGCTTTCCCGAAGTTCAGCCCTAAGCAACATAAGAAAATTCATAATAAGAAAG
AGCCATGAAATGTAGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



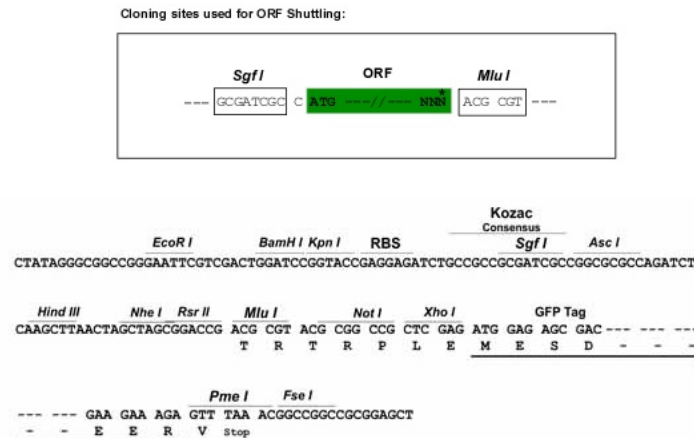
Protein Sequence: >RG204364 representing NM_145312
Red=Cloning site Green=Tags(s)

MLENYGNLVSGLSSPKLITQLEQGAEPWTEVREAPSGTHAVEDYWFETKMSALKQSTSEASVLGERT
KSVMMKGLDWEGRSSTEKNYKCKEKGKVFYKYNSSFISHQRNHTSEKPHKCKEKGIAFMNSSLLNHHKV
HAGKQPYRCIECGKFLKKHSTFINHQRIHSREKPHKCKEKGKTRKNSILLSHQRIHTGQKPYKCNDGK
AFAQNAALTRHERIHSGEKPFKCNKCGRAFRDNSTVLEHQIHTGEKPYQCNECGKAFRKSSTLISHQRM
HTGEKPYHCKGKSGFRYSSSFAGHQKTHSGNKPYQCRDCGKAFTKSSTLTGHQRIHTGEKPYHCKGK
AFRHSSGLVEHQLHTGEKPYKNECGKAFPRSSALKQHKIHNKERAMKCS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_145312

ORF Size: 1206 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_145312.2](#), [NP_660355.1](#)

RefSeq Size: 2070 bp

RefSeq ORF: 1326 bp

Locus ID: 220992

UniProt ID: [Q8NCK3](#)

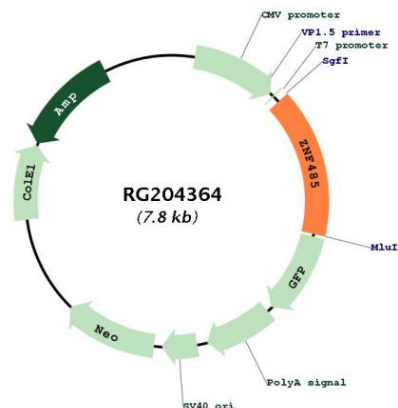
Cytogenetics: 10q11.21

Domains: zf-C2H2

Protein Families: Transcription Factors

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

Product images:



Circular map for RG204364