

Product datasheet for **RG205885**

ZNF480 (NM_144684) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF480 (NM_144684) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF480
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG205885 representing NM_144684
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTCTTCTCAGGGACACTTAACATTCAGGGACGTGGCCATAGAATTCTCTCAGGCGGAGTGAAAAAT
 GCCTGGACCCTGCACAGAGGGCTTTATACAAGGATGTGATGTTGGAGAACTACAGGAACCTGGTCTCCCT
 GGGAACTCTCTTCTGACCTGAATATTAACCTCATGTTGGAGCAAAGGAGGGAGCCCTGGTCTGGTGGAG
 AGTGAAGTGAAAAATAGCAAAAAATTCAGATGGGAGGGAGTGCATCAAAGGTGTGAACACAGGGAGCAGCT
 ATGCATTGGGAAGCAATGCAGAAGACAAACCAATTAATAAACAACCTGGAGTATCCTTTCACTTACATCT
 GTCTGAACTGGAGCTATTTCCAGATGAAAGGGTAATAATGGATGTAATCAAGTTGAAAACCTTTATCAAC
 CACAGTTCCTCTGTTTCTGTCTTCAAGAAATGTCTCCAGTGTCAAACCCCATTTTTAATAGGAATG
 ATTTTGATGATTCTTCTTTCTCCACAAGAACAGAAAGTACACCTTAGAGAAAAACCTTATGAATGTAA
 TGAGCATAGCAAAGTCTTAGAGTATCTCCAGCCTTACTAAACATCAAGTAATCCATACCTGTAGAGAAA
 CCTTACAAATGTAATTCATGCGGCAAGGCTTTAGTGCGAATTCGCACCTTGCGAACATTGTAGAAATC
 ATACTGGAGAGAAACCTTACAAATGTAATGTCTGTGGCAAGGTTTTAGTTACAATTCAAACTTTGCACG
 ACATCAAAGAATTCATACCAGAGAGAAGCCGTATGAATGTAATGAATGTGGTAAAGTCTTCAGTAATAAT
 TCTTACCTTGCACGACATCAAAGAATTCATGCTGAAGAGAAAACCTTACAAATGTAATGAATGTGGTAAAG
 GCTTCAGTCATAAGTCATCTCTAGCAAATCATTGGAGAATTTACTGGAGAGAAGCCTTACAAATGTGA
 TGAATGTGGCAAGGCCTTCTATAGGATTGCGCTCCTTGTACGACATCAGAAAAATTCATACTGGAGAGAAA
 CCTTACAAATGTAATGAATGTGGAAAGGCTTTATTCAAATTCGCACCTAGCACAACTTGGAGAATTC
 ATACAGGAGAGAAAACCTTACAAATGTAATGAATGTGGAAAAGTATTTAATCAACTTTCAAATCTTGCACG
 ACATCGAAGAATTCATACTGGAGAGAAGCCTTACAAATGTAATGAATGTGGTAAAGCATTAGTGAAT
 TCAGGCCCTTTCAGCCCATCTTGAATCCACACTGGAGAGAAGCCTTACAAATGTAGTGAATGTGGCAAGG
 CATTTCAGACACAAGTTATCACTAACCAATCATCAGAGAATCCATACTGGAGAAAAGACCTTACAAATGTAA
 TGAATGTGGCAAGGCTTCAATCGAATTCACACCTTGCACGACATCGGAAAAATTCATACTGGAGAGAAA
 CCTTACAAATGTAATGAGTGTGGCAAGGCTTTAGTGCATTTACATACCTAGCACAACTTGGACAATTC
 ATATGGGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG205885 representing NM_144684
 Red=Cloning site Green=Tags(s)

MALPQGHLTFRDVAIEFSQAEWKCLDPAQRALYKDVMLENYRNLVSLGISLPDLNINSMLEQRREPWSGE
 SEVKIAKNSDGRICKGVNTGSSYALGSAEDKPIKKQLGVSFHLHLSELELFPDERVINGCNQVENFIN
 HSSSVSCLQEMSSSVKTPIFNRNDFDSSFLPQEQQVHLREKPYECNEHSKVFVSSSLTKHQVIHTVEK
 PYKCNSCGKVF SRNSHLAEHCRIHTGEKPYKCNVCGKVF SYNSNFARHQRIHTREKPYECNECGKVF SNN
 SYLARHQRIHAEEKPYKNECGKGF SHKSSLANHWRIYTGKPYKCDECGKAFYRIALLVRHQIHTGEK
 PYKNECGKVF IQNSHLAQHWRIHTGEKPYKNECGKVF NQLSNLARHRIHTGEKPYKNECGKAFSEY
 SGLSAHLVIHTGEKPYKSECGKAFRHKLSL TNHQRIHTGERPYKNECGKVF NRI AHLARHRIHTGEK
 PYKNECGKAFSRISYLAQHWTIHMG

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_144684

ORF Size: 1548 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_144684.1](#), [NP_653285.1](#)

RefSeq Size: 4732 bp

RefSeq ORF: 1608 bp

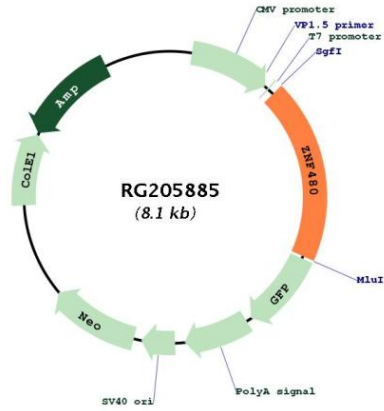
Locus ID: 147657

UniProt ID: [Q8WV37](#)

Cytogenetics: 19q13.41

Domains: KRAB, zf-C2H2
 Protein Families: Transcription Factors
 Gene Summary: Involved in transcriptional regulation as an activator.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG205885