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Product datasheet for RG207695

ZNF584 (NM_173548) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ZNF584
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG207695 representing NM_173548
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCGGGGAGGCGGAGGCTCAGTTGGACCCATCATTGCAGGGCTTGGTGATGTTTGAGGATGTGACGG
TATATTTCTCCAGGGAGGAGTGGGGGCTCCTTAATGTGACCCAGAAGGGCCTATACCGGGATGTGATGCT
GGAGAACTTTGCACTCGTTAGCTCACTGGGACTTGCACCTTCGAGATCCCCTGTGTTTACCCAGCTGGAG
GATGATGAACAGTCGTGGGTGCCCAGCTGGGTGGATGTGACTCCAGTCAGCAGAGCAGAAGCCAGGAGAG
GTTTTGGTCTTGATGGTTTGTGTAGAGTGGAGGATGAGAGAGCCCATCCTGAGCATCTAAAGAGCTACAG
AGTCATCCAGCACCAGGACACTCATAGTGAGGGGAAACCAAGAAGGCACACTGAGCATGGGGCAGCTTTC
CCACCTGGTTCCAGTTGTGGGCAACAGCAAGAAGTCCATGTGGCAGAGAAGCTGTTCAAATGCAGTGACT
GTGGGAAGGTGTTCTTAAAGGCCTTTGCCCTCCTTGACCATCTGATAACGCATTCTGAAGAGAGACCCTT
CAGATGCCCAACAGGCAGAAGTGCTTTCAAGAAGTCAGCTCATATTAACCCCCGAAAAATTCACACTGGA
GAAACAGCCCATGTGTGTAATGAATGTGGGAAGGCCTTCAGTTACCCGTCTAAGCTGAGGAAACACCAGA
AGGTTCACACAGGCATAAAACCTTTTAAGTGTAGTGACTGTGGTAAAACCTTCAACCGCAAAGACGCACT
TGTTCTACACCAGAGGATTCACACTGGAGAAAGGCCTTACGAGTGCAGCAAATGTGGTAAAACCTTCAGT
GTTCTGTCTACCCTCATTCGGCACCGGAAAGTGCACATTGGAGAAAGGCCCTATGAGTGTACAGAATGTG
GGAAGTTCTTTAAATACAATAATAGCTTCATTCTTCACCAGAGAGTTCACACTGGAGAAAGGCCTTTTGA
ATGCAAGCAATGTGGGAAAGGCTACGTGACCCGTTCAGGCCTCTATCAGCACTGGAAAGTCCACACTGGG
GAACGGCCCTATGAATGTAGCCTGTGTGGGAAAACCTTCACTACCAGATCCTACCGCAATCGGCACCAGC
AGTTCCACACTGAAGAGAGGTCTTATGAATGTACAGAGTGTGGGAAGGCCTTCAAACATAGTTCCACCCT
CCTTCAGCACAAGAAAGTCCATACTCCAGAAAGGCGTCAGGAGGACAGGGCACATGGGAAGGTCGTTAGC
TGC

AGCGGACCGACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

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Protein Sequence:

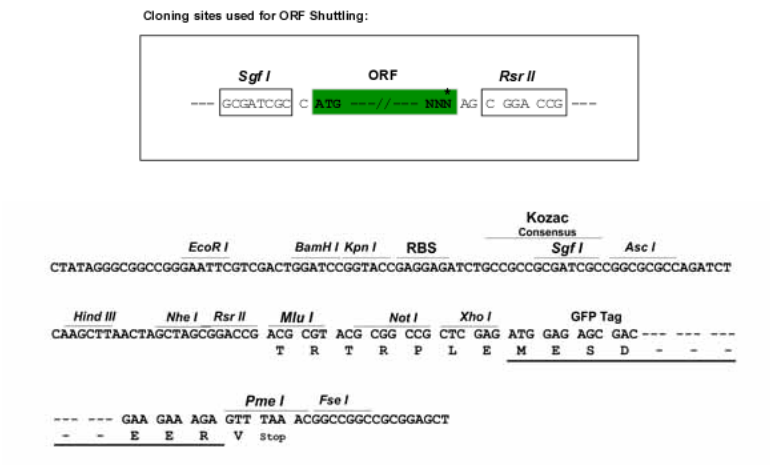
>RG207695 representing NM_173548
Red=Cloning site Green=Tags(s)

MAGEAEAQLDPSLQGLVMFEDVTVYFSREEWGLLNVTQKGLYRDVMLENFALVSSLGLAPSRSPVFTQLE
DDEQSWVPSWVDVTPVSRAEARRGFGLDGLCRVEDERAHPEHLKSYRVIQHQDTHSEGKPRRHTEHGAAF
PPGSSCGQQQEVHVAEKLFKCSDCGKVFLKAFALLDHLITHSEERPFRCPTGRSAFKKSAHINPRKIHTG
ETAHVCNECGKAFSYPSKLRKHQKVHTGIKPFKCSDCGKTFNRKDALVLHQRIHTGERPYECSKCGKTFS
VLSTLIRHRKVHIGERPYECTECGKFFKYNNSFILHQRVHTGERPFECKQCGKGYVTRSGLYQHWKVHTG
ERPYECSLCGKTFTTRSYRNRHQQFHTEERSYECTECGKAFKHSSTLLQHKKVHTPERRQEDRAHGKVVS
C

SGPTRTRRLE - GFP Tag - V

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_173548

ORF Size: 1263 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_173548.3

RefSeq Size: 2293 bp

RefSeq ORF: 1266 bp

Locus ID: 201514

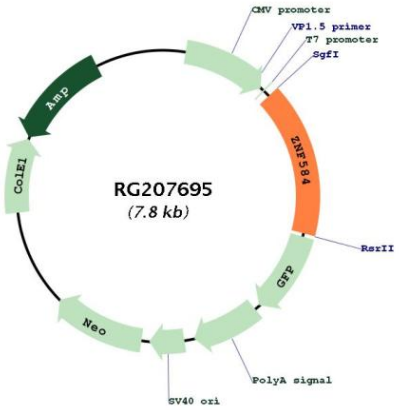
UniProt ID: Q8IVC4

Cytogenetics: 19q13.43

Protein Families: Transcription Factors

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

Product images:



Circular map for RG207695