

Product datasheet for RC221927

ZNF552 (NM_024762) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: ZNF552 (NM_024762) Human Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: ZNF552
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >RC221927 representing NM_024762
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGGCGGCGCCGCGCTAAGGTTCCCGTTCCAGGCACAGTGACTTTTGAAGACGTGGCTGTGAAATTTA
 CCCAGGAGGAATGGAATCTCCTTAGTGAGGCTCAGAGATGCCTGTACCGTGATGTGACGCTGGAGAACCT
 GGCACCTATGTCTCCCTGGGTTGTTGGTGTGGAGTGGAAAGATGAGGCGGCACCTTCTAAGCAGAGTATT
 TATATACAAAGAGAGACTCAGGTCAGGACTCCTATGGCAGGTGTGTCTCCAAGAAGGCCACCCCTGTG
 AGATGTGTGGCCGATCTGGGAGACATTTTGCATGTGGCAGATCATCAGGGAACACATCACAAGCAGAA
 ACTGCACAGGTGTGAGGCTGGGGAATAAATTGTATGACAGTGGAACTTTCATCAGCACCAGAATGAG
 CACATTGGAGAGAAACCCTACAGAGGGAGTGTGAGGAGCGTTGTTTGCGAAGAGGTGTAAGTTGCATG
 TGTGAGGGGAGTCATCTGTCTTCAGTGAGAGTGGGAAAGACTTTTTGCTCAGGTCAGGATTACTCCAGCA
 AGAGGCCACTCACACTGGGAAGTCAAACAGCAAACCTGAGTGTGTGTCTGTTCATGGGGAAAAAGC
 CATTACAGCTGTGGAGGATGCATGAAACATTTAGCACCAAAGATATACTCAGTCAGCAGCAGAGACTGC
 TCCCTACAGAAGAACCTTCTGTGTGGTGTGAATGTGGGAAATCCTCTAGCAAATATGACAGCTTCAGTAA
 TCATCAAGGAGTTCACACTAGAGAAAAACCTTATACGTGTGGGATATGTGGGAAATATTTAACAGTAAG
 TCCACCTCCTTGTACACCAGAGAATTCACACTGGAGAGAAGCCATATGAGTGTGAGGTTTGTGAGAAAT
 TTTTTAGGCACAAGTACCACCTCATTGCACACCAGAGAGTTCACACTGGGAAAGGCCATATGAATGCAG
 TGATTGTGGGAAGTCATTTACCCACAGCTTACATTCCGTGTTTATAAGAGAGTTCACACTGGTCAGAAG
 CCTTATGAGTGCAGTGAATGTGGGAAATCTTTGCCGAAAGCTCCAGTCTCACTAAACACAGGAGAGTTC
 AACTGGAGAAAAAGCCTTACGGGTGCAGTGAATGTGAAAAAATTTAGGCAAATCTCTTCACTTCGTCA
 TCATCAGAGAGTTCAAAAAGAAAGGGCTTA

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC221927 representing NM_024762
Red=Cloning site Green=Tags(s)

MAAAALRFPVQGTVTFFEDVAVKFTQEEWNLLSEAQRCLYRDVTLENLALMSSLGCWCGVEDEAAPSQSI
 YIQRETQVRTPMAGVSPKKAHPCEMCGPILGDILHVADHQGTHHKQKLHRCEAWGNKLYDSGNFHQHNE
 HIGEKPYRGSVEEALFAKRCKLHVSGESSVFSSESGKDFLLRSGLLQQEATHTGKSNKTECVSLFHGGKS
 HYSCGGCMKHFSTKDILSQHERLLPTEEPSVWCECGKSSSKYDSFSNHQGVHTREKPYTCGICGKLFNSK
 SHLLVHQRIHTGEKPYECEVCQKFFRHKYHLIAHQRVHTGERPYECSDCGKSFTHSSTFRVHKRVHTGQK
 PYECSECGKSFAESSLTKHRRVHTGEKPYGCSECEKFRQISSLRHHQRVHKKRGL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8039_e04.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_024762

ORF Size: 1221 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_024762.2](#), [NP_079038.2](#)

RefSeq Size: 2070 bp

RefSeq ORF: 1224 bp

Locus ID: 79818

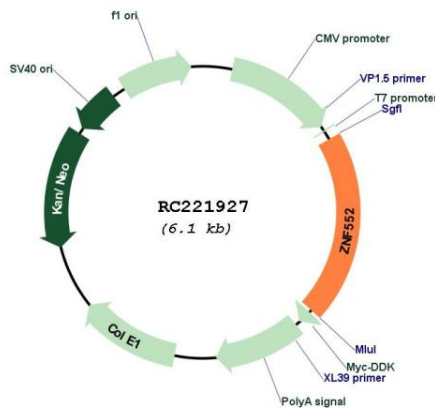
UniProt ID: [Q9H707](#)

Cytogenetics: 19q13.43

MW: 46 kDa

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

Product images:



Circular map for RC221927