

Product datasheet for **RG203532**

ZNF23 (NM_145911) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ZNF23
Synonyms:	KOX16; Zfp612; ZNF359; ZNF612
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG203532 representing NM_145911
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCTGGAGAATTATGGGAATGTGGCCTCCCTGGGATTCCACTTCTCAAACCTGCTGTGATCTCACAAC
 TGGAGGGAGGAAGTGAGCTGGGGGGCTCATCTCCACTGGCTGCAGGAACAGGCCTCCAGGGCCTCCAGAC
 TGATATTGAGACTGACAATGATTTGACAAAGGAAATGTATGAAGGAAAAGAGAATGTATCATTTGAACCT
 CAAAGAGACTTTTCCAGGAACAGACTTTTCAAGCCTCTCTTCTAGAGAAACAACAGGAAGTCCACT
 CAGCAGGAAATATAAAGAAGGAGAAGCAACACCATTTGATGGAACAGTGAAAGATGAGACAAGCCCCGT
 GGAGGAGTGTTTTTTAGTCAAAGTTCAAACCTCATATCAGTGTACATACCATCACTGGAGAGCAGCCCTCT
 GGGTGTACAGGATTGGGAAATCCATCAGCTTTGATACAAAACCTCGTGAAGCATGAAATAATTAATTCTG
 AGGAAAGACCTTTCAAATGTGAAGAATTAGTAGAGCCCTTTAGGTGTGACTCTCAACTTATCAACATCA
 AGAGAAACAACACTGAGGAAAAGCCTTATCAGTGTTCGGAGTGTGGCAAAGCTTTAGCATTAAATGAGAAA
 TTAATTTGGCATCAGAGACTTACAGTGGGGAGAAACCTTCAAATGTGTGGAGTGTGGGAAAAGCTTCA
 GCTACAGTTCCATTATATCACACATCAGACAATCCACAGTGGGGAGAAGCCCTATCAGTGTAAAGATGTG
 TGGGAAGGCCTTCAGTGTTAATGGAAGCCTAAGTAGGCATCAGAGAATCCATACGGGAGAGAAGCCCTAT
 CAGTGCAAGGAATGTGGAATGGCTTCAGCTGTAGTTCTGCATATATTACATCAGAGAGTCCACACTG
 GAGAGAAACCTTACGAGTGTAAATGACTGTGGGAAAGCGTTCAATGTTAATGCAAAATTAATTCACATCA
 GAGAATCCATACTGGAGAGAAACCTTATGAATGAATGAATGTGGAAGGCTTCAGGTGCAGCTCCAG
 CTTAGGCAGCATCAGAGCATCCACACAGGAGAAAAGCCCTATCAGTGTAAAGAGTGTGGAAGGCTTCA
 ATAATAATACAAAACCTATTGAGCATCAGAGAATCCACACAGGTGAGAAACCTATGAATGCACTGAATG
 TGGAAAAGCCTTCAGTGTCAAAGGGAAGTTAATCCAACACAGAGAATTCACACAGGCGAGAAAACCTAT
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 GGGAGAAGCCCTATGAGTGTAAATGAGTGTGGAAGGCCTTCAGCGTTAATGGGAAACTAATGCGGCATCA
 GAGAATTCACACTGGGAGAAAACCTTTGAATGAATGAGTGTGGGAGATGCTTTACTTCTAAAAGAAAC
 CTACTTGATCATCACCGAATCCATACTGGAGAAAAGCCCTATCAATGTAAGGAATGTGGGAAAGCCTTCA
 GTATCAATGCCAACTAAGTAGGCATCAGAGGATACATACTGGGAGAAAACCTTTCAAATGTATGAATG
 TGAGAAAGCATTGAGTGTAGTTCTAACTATATTGTGACCAGAGAATCCATACAGGAGAGAAAACCTTT
 CAGTGTAAAGAGTGTGGAAGCCTTCCATGTTAATGCCATTTAATTCGCGCATCAGAGAAGCCCACTG
 GGGAGAAAACCTTCAGATGTGTGGAATGTGGCAAAGGCTTCAGCTTTAGTTCTGACTACATTATACATCA
 GACAGTCCACACTTGAAGAAAACCTATATGTGTAGTGTGTGGGAAAGCATTGAGTTTAGCTTCCAG
 CTCAGTCAGCATCAGAGTGCCATAGTGAAGGAAAATCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG203532 representing NM_145911
 Red=Cloning site Green=Tags(s)

MLENYGNVASLGFLLKPAVISQLEGGSELGGSSPLAAGTGLQGLQTDIQTNDLTKEMYEGKENVSFEL
 QRDFSQETDFSEASLLEKQVEVHSAGNIKKEKSNTIDGTVKDETSPEECFFSQSSNSYQCHTITGEQPS
 GCTGLKKSISFDTKLVKHEIINSEERPFKCEELVEPFRCDSQLIQHQENNTTEKPYQCSECGKAFSINEK
 LIWHQRLHSGEKPFCVECGKSFYSYSHYITHQTIHSGEKPYQCKMCGKAFSVNGSLSRHQRIHTGEKPY
 QCKEKGNGFSCSSAYITHQRVHTGEKPYECNDCGKAFNVNAKLIQHQRHTGEKPYECNECGKGFRCSSQ
 LRQHQSHTGEKPYQCKEKGKGFNNNTKLIQHQRHTGEKPYECTECGKAFSVKGLIQHQRIHTGEKPY
 ECNECGKAFRCNSQFRQHLRIHTGEKPYECNECGKAFSVNGKLMRQRIHTGEKPFECNECGRCFTSKRN
 LLDHHRHTGEKPYQCKEKGKAFSINAKLTRHQRIHTGEKPFKMECEKAFSCSSNYIVHQRIHTGEKPF
 QCKEKGKAFHVNHLIRHQRSHTGEKPFRCVECGKGFSSDYIIHQTVHTWKPYMCSVCGKAFRFSFQ
 LSQHQSVMHSEKGS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_145911

ORF Size: 1929 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:

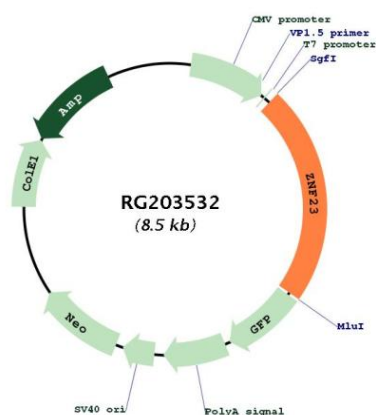
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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_145911.3](#)

RefSeq Size:	3271 bp
RefSeq ORF:	1932 bp
Locus ID:	7571
UniProt ID:	P17027
Cytogenetics:	16q22.2
Domains:	zf-C2H2
Protein Families:	Transcription Factors
Gene Summary:	May be involved in transcriptional regulation. May have a role in embryonic development. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG203532