

Product datasheet for **RG223615**

ZNF192 (ZKSCAN8) (NM_006298) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ZNF192
Synonyms:	LD5-1; ZNF192; ZSCAN40
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence: >RG223615 ORF sequence, **codon optimized**.
Due to the complexity of NM_006298, the ORF clone is codon optimized for mammalian Expression.
The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGCCCGAGGAAAGTAGGAAGCCCTCTGCTCCGAGCCCCCTGACCAGACTCCCGAAGAGGATCTGGTCA
TTGTGAAAGTCGAAGAAGATCATGGCTGGGATCAGGAGTCTAGTTTGACGAAAGCAACCCGCTCGGACA
AGAGGTTTTCCGGCTTCGATTCGCGCAGCTGCGGTACCAGGAGACACTGGGCCCTCGCGAGGCTCTCATA
CAGCTGAGGCTCTCTGTCATCAGTGGCTGAGGCCTGACCTGAATACAAAGGAGCAGATCCTTGAATCC
TGGTACTCGAACAATTTCTGACAATCCTGCCGAAGAACTCCAGACCCTCGTTAAAGAGCACCAGCTCGA
GAATGGCGAGGAGGTGGTCACGCTCCTTGAAGATCTTGAGAGGCAGATTGACATCCTGGGCCGCGCTGTG
AGCGCCCGAGTGCACGCCACAGAGTCCTTTGGGAAGAGGTGCTCCATAGCGCTTCTGCACCCGAGCCAC
CCAACACGCAGCTTCAGTCCGAGGCAACACAGCACAAGTCCCGGTACCCAGGAAAGTCAGGAGCGCGC
CATGTCTACGAGTCAGAGTCTACAGGAGTCAAAAAGGTCCTCAGGTGATCAGGAGATGACTGCTACT
CTCCTGACGGCGGGATTCCAGACCTTGGAGAAGATCGAGGATATGGCCGTGAGCCTCATCCGGGAGGAGT
GGCTTCTGGATCCATCCAAAAGGATCTCTGCAGGGATAACCGCCAGAGAATTTAGGAATATGTTTAG
TCTCGGAGGGGAACTCGAAGCGAGAATCGCGAGTTGGCTAGCAACAGGTGATTTCTACTGGGATTGAG
CCACATGGAGAAACCGCGCTAAATGCAACGGCGATGTGATTAGAGGGCTGGAACACGAGGAGGCCCGGG
ACCTTTTGGGTAGACTGGAAGGCAGCGAGGCAATCCCACTCAGGAGAGAAGACACAAGTGCAGCAATG
CGGGAAGAGTTTTGCCAGAGCTCCGACTGGTCAGACACTGGCGCATTACACGGGGGAAAAGCCATAT
CAGTGCAATGTGTGTGGCAAGGCCTTTTCTACCGGTCTGCTCTGCTGTACATCAGGACATCCACAACA
AAGTTAAAAGATATCATTGTAAGGAATGTGGTAAAGCTTTTCACTCAAAAATACTGGGCTCATTCTGCATCA
GCGGATCCACACCGCGGAGAAACCATATCAATGCAATCAGTGGCGCAAGGCGTTCTCTCAGAGCGCAGGT
CTGATACTTCACCAGCGAATTCAGTCAAGTGAAGGCCCTACGAATGCAACAGGTGTGGAAGGCCCTTCT
CCCACTCCAGTCATCTGATCGGACACCAGAGGATTCAGACTGGCGAAAAACCTTACGAGTGTGACGAGTG
TGGCAAAACATTTCCCGAAGCAGCCACTTGATCGGCCATCAGAGGAGCCACACCGGAGAGAAGCCATAT
AAATGCAATGAGTGGCGCAGGGCCTTCAGCCAGAAGAGTGGACTTATTGAGCATCAGCGAATCCATACTG
GCGAGAGGCCCTTATAAATGTAAGGAGTGCAGAAAGGCCCTTCAATGGCAACACCGGAGTCAATTCAGCATCT
GCGCATCCACACTGGGAGAGAAACCTACCAGTGTAAACGAATGCGGTAAAGCCTTCATCCAGAGGTCCAGC
CTTATTAGGCACAGAGGATCCATTCCGGGAAAAGAGTGAATCTATATCTGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG223615 representing NM_006298
Red=Cloning site Green=Tags(s)

MAEESRKPSAPSPDQTPEDLVIVKVEEDHGWQESSLHESNPLGQEVFRLRFRQLRYQETLGPREALI
QLRALCHQWLRPDLNKEQILELLVLEQFLTILPEELQTLVKEHQLENGEEVLTLEDLERQIDILGRPVS
SARVHGHRVLWEEVVHSASAPPEPNTQLQSEATQHKSPVPQESQERAMSTSQSPTRSQKSSGDQEMTAT
LLTAGFQTLKIEDMAVSLIREEWLLDPSQKDLCRDNRPENFRNMFSLGGETRSENRELASKQVISTGIQ
PHGETAAKCNQDVIRGLEHEEARDLLGRLERQGNPTQERRHKCDECGKSFAQSSGLVRHWRHTGEKPY
QCNVCGKAFSYRSALLSHQDIHNKVKRYHCKECKAFSQNTGLILHQRHTGEKPYQCNQCGKAFSQSAG
LILHQRHTGERPYECNECGKAFSSHSLIGHQRHTGEKPYECDECGKTFRRSSHLIGHQRSHTGEKPY
KNECGRAFSQKSLIEHQRHTGERPYKCKECKAFNGNTGLIQHLRIHTGEKPYQCNQCGKAFIQRSS
LIRHQRHTSSEKSESISV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_006298

ORF Size: 1734 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:

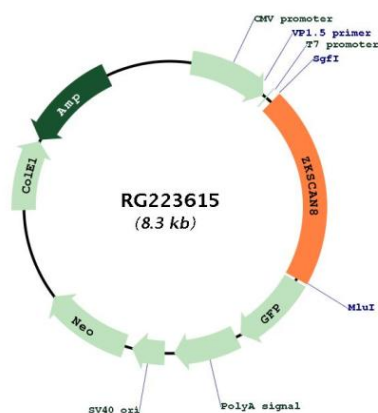
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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_006298.2](#), [NP_006289.2](#)

RefSeq Size:	7419 bp
RefSeq ORF:	1737 bp
Locus ID:	7745
UniProt ID:	Q15776
Cytogenetics:	6p22.1
Domains:	KRAB, LER, zf-C2H2
Protein Families:	Transcription Factors
Gene Summary:	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG223615