

Product datasheet for **RG206312**

ZNF18 (NM_144680) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF18 (NM_144680) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF18
Synonyms:	HDSG1; KOX11; Zfp535; ZKSCAN6; ZNF535; ZSCAN38
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG206312 representing NM_144680
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCCGTTGACTTGGGGCAGGCCCTAGGCCTGCTGCCATCGCTGGCGAAGGCCGAGGACTCCCAGTTCT
 CAGAATCAGATGCTGCCCTTCAAGAGGAACTCTCCAGCCCTGAGACCGCACGCCAGCTTTTCAGGCAGTT
 CCGTTACCAGGTGATGTCTGGGCCTCATGAGACCTTGAAGCAACTTCGGAAGCTCTGTTCCAGTGGCTA
 CAGCCAGAGGTTACACCAAAGAGCAGATCCTAGAGATCCTCATGTTGGAGCAGTTTCTGACCATCCTGC
 CTGGGGAGATCCAGATGTGGGTGCGAAACAGTGTCCAGGAAGTGGAGAAGAGGCCAGTGACCCTTGTTGA
 AAGCTTGAAGGGGACCCCCAGAGACTGTGGCAATGGATCAGTATCCAGGTTCTAGGACAGGACATCTTA
 TCAGAGAAGATGGAATCTCCAAGCTGCCAAGTGGGGAAAGTGGAGCCCCATCTTGAAGTGGTGCCTCAGG
 AGTTGGGACTTGAGAATTCATCCTCAGGCCTGGGGAGCTTCTGAGCCACATCGTAAAGAGGAATCTGA
 CACAGAAGCAGAACTAGCCCTGGCTGCCTCCCAGCCTGCCGACTGGAGGAAAGGCTGATCAGAGACCGG
 GACCTCGGAGCCTCACTGCTCCCAGCAGACCTCAGGAACAGTGGAGACAACCTGGATTCCACTCAAAGG
 AGCAATACTGGGATCTCATCCTGGAGACCTATGGGAAAATGGTCTCAGGAGCAGGCAATTTCCCATCCCAA
 ATCTGACCTGACTAATCAATAGAATTTGGGGAAGAGCTGGCAGGAATATACCTTCATGTCAATGAGAAG
 ATCCCAAGACCCACCTGCATAGGAGATAGACAAGAGAATGACAAGGAGAACCTAAATTTGGAGAATCACA
 GGGACCAGGAGCTCCTGCATGCTTCTGTCAAGCTTCAGGAGAGGTTCTTCTCAGGCTTCTTGAGGGG
 CTTCTTCACTGAGGATGAGCCAGGATGCTTTGGAGAAGGAGAGAATCTCCCTGAGGCTCTGCAAAACATT
 CAGGATGAGGGAACAGGGGAACAGCTGTCTCCTCAAGAAAGGATTTCTGAGAAACAACCTAGGTCAGCATT
 TGCCTAATCCTCATTAGGAGAAAATGCCACCATGTGGCTTGAGGAGAAGAGAGAGACCTCCCAAGAGGG
 GCAGCCAAGAGCCCCATGGCCCCAGAAGCTCCCCACCTGCAGGGAGTGTGGGAAGACCTTTTATAGGAAT
 TCTCAGCTTATTTTTACCAAAGAACTCACACCGGAGAGACATACTTTTCAAGTGCACCATCTGCAAAAAAG
 CCTTTCTGCGGAGTTCAGACTTTGTGAAGCATCAGAGAACTCACACGGGAGAGAAGCCCTGTAATGTGA
 TTAAGTGGGAAAGGCTTTAGTGACTTCTCAGGATTGCGCCACCACGAGAAAATCCACACAGGAGAGAAA
 CCCTATAAATGTCCTATCTGTGAGAAAAGTTTCATTAGAGATCAAACCTTAATAGACATCAGAGGGTTC
 AACTGGAGAGAAACCTTATAAATGTTGCACTGTGGGAAAAGTTTCAAGTGGAGCTCGAGCCTTGACAA
 ACATCAAAGATCCCACTTAGGAAAGAAGCCCTTCAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG206312 representing NM_144680
 Red=Cloning site Green=Tags(s)

MPVDLGQALGLLPSLAKAEDSQFSESDAALQEELSSPETARQLFRQFRYQVMSGPHETLKLRLKCFQWL
 QPEVHTKEQILEILMLEQFLTILPGEIQMWVRKQCPGSGEEAVTLVESLKGDPQRLWQWISIQVLGQDIL
 SEKMESPSQVGEVEPHLEVVPQELGLENSSSGPGELLSHIVKEESDTEAELALAAASQPARLEERLIRDR
 DLGASLLPAAPQEQRQLDSTQKEQYWDLILETYGKMVSGAGISHPKSDLTNSIEFGEELAGIYLHVNEK
 IPRPTCIGDRQENDKENLNLENHRDQELHASCQASGEVPSQASLRGFFTEDEPGCFGEGENLPEALQNI
 QDEGTGEQLSPQERISEKQLGQHLPNPHSGEMSTMWLEEKRETSQKQPRAPMAQKLPTCRECGKTFYRN
 SQLIFHQRTHTGETYFQCTICKKAFRLRSSDFVKHQRTHTGKPKCKDYCGKGFSDFSGLRHHEKIHTGK
 PYKCPICEKSFQIRSNFNHRHQRVHTGKPYKCSHCGKSFWSSSLDKHQSHLGGKPFQ

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_144680

ORF Size: 1647 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_144680.2](#), [NP_653281.2](#)

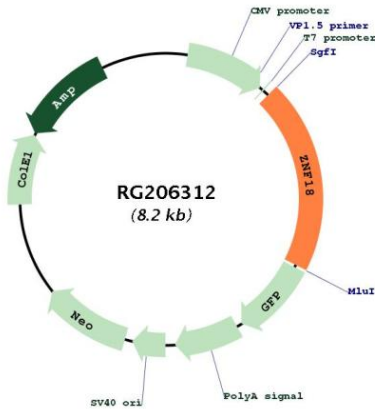
RefSeq Size: 2767 bp

RefSeq ORF: 1650 bp

Locus ID: 7566

UniProt ID: [P17022](#)
 Cytogenetics: 17p12
 Protein Families: Transcription Factors
 Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG206312