

Product datasheet for **MG207820**

Zkscan1 (BC052441) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zkscan1 (BC052441) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zkscan1
Synonyms:	MGC63357, KOX18, PHZ-37, ZNF139
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207820 representing BC052441
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGATGACTGCTGAGTCAAGGAAACCACAGTCTATCCCCACAGGCTGCACAGGAGAAAGATGGTATAG
 TTATTGTGAAGGTAGAAGAAGAAGATGAAGAAGACCACATGTGGGGCAGGACTCTAGCCTGCAGGAGAC
 ACCACCACCCGACCCAGAGGTATTCCGCCAACGGTTCAGGCGCTTCTGTTACCAGAACACTTTTGGGCT
 CGAGAAGCTTTGAATCGACTAAAGGAACTTGTGCATCAGTGGCTCCGACCAGAAGTCAACAGCAAGGAAC
 AGATCTTGGAGCTGTTGGTACTGGAGCAGTTCCTGTCCATCCTGCCCAAAGAGCTGCAAGTCTGGCTGCA
 GGAGTACCGGCTGACAGTGGGGAAGAGGCCGTGACTCTTCTAGAAGACTTGAACCTTGATCTATCGGGA
 CAGCAGTCCCAGGTCAAGTTCATGGGCTGAGATGCTTGCCAGGGGTGTGGTGCCTCTGGATCCAGTTC
 AGGAGTCTCAAGCTTTGACCATCATGAACTGCCAGTCTCATTCAAGCATTCTAGGAAGCCTCG
 TCTCTTATCCCGAGGCTCTGAGAACAGGAATGGGAATGAGTCAACCTCAAAGGCTGAAGTCAAAGAAGAT
 TCCACCTCACATGGGAGATAGCAGGGAGATTCCAGAAGGAATTTGGAGAGAAACGGGAACAGCAGGGCA
 GAGTAGTCGAAAGGCAACAGAAAAATCCTGAAGAGAAAACGGCAAGAAAAGAAAGAGCCTGGGCCACC
 TACAGCCAAGGAAAAAGCCAGCACAGGAGAGCGGGGCCGCGGGGAGAAGGTAAGGCTGGGGAGA
 AGCTTTAGCCTGAGCGCAAACCTTAATAACACCCAGAGGAGGCTCCGTCGGGAGCAAAGACTCACAGAT
 GCGATGAGTGTGGAAATGTTTACAAGAAGCTCAAGCCTTATCCGCCATAAAATCATCCACACTGGAGA
 GAAACCTACGAATGTAACGAGTGTGGCAAAGCCTTCACTCAATTCAAACCTTGCTTATCAGCGA
 ATCCACACGGGAGAGAAACCTCATGAATGTAACGAGTGTGGCAAAGCCTTCAAGCATAGTCAAATCTCA
 TCCTGCACCGCATCCACTCTGGAGAGAAGCCCTATGAATGTAACGAGTGTGGCAAAGCCTTCAAGCA
 GAGCTCAGACCTCAGAAAGCAGCAGAGAATCCATACAGGAGAGAAGCCCTATGAATGTAGCGAATGTGGA
 AAAGCTTTCAACGAAACTCATACCTTATTTTGCATCGGAGAATTCACACCCGAGAAAAGCCCTACAAGT
 GCCTAAGTGTGGCAAGGCCCTCACCCGGAGCTCGACCCTCACACTGCACCACAGAATCCATGCCAGAGA
 GAGAAGCTCAGAATACAGCCAGCCTCTCTGGATGCCTTTGGGCATTCTGAAAAGTTGTGTG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG207820 representing BC052441
 Red=Cloning site Green=Tags(s)

MMTAESRETTGLSPQAAQEKDGIIVKVEEEDHMMWGQDSSLQETPPDPPEVFRQFRFRFCYQNTFGP
 REALNRLKELCHQWL RPEVNSKEQILELLVLEQFLSILPKELQVWLQEYRPDSGEEAVTLLEDLELDL SG
 QQVPGQVHGPEMLARGVPLDPVQESSFDHHTAQSHFKHSSRPRLLSRGSNENRNGNESTSKAEVKED
 STSHGEIAGRFFQKEFGEKREQQGRVVERQQKNPEEKTGKEKKEPPTAKEKPPSTGERGPREKGLGR
 SFSLSANFNNTPEEAPSGAKTHRCDECGKCFTRSSSLIRHKI IHTGEKPYECNECGKAFSLNSNLVLHQR
 IHTGEKPHECNECGKAFSHSSNLILHQR IHSGEKPYECNECGKAFSQSSDLTKHQRIHTGEKPYECSECG
 KAFNRNSYLILHRR IHTREKPYKCTKCGKAFTRSSSTLTLHHR I HARERTSEYSPASLDAFGAFLKSCV

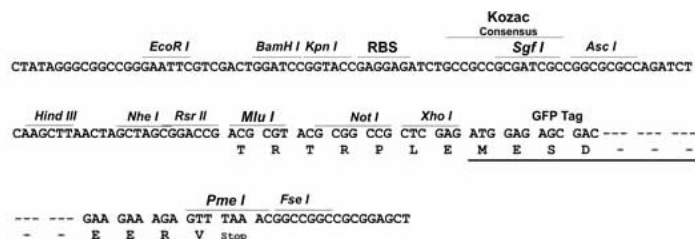
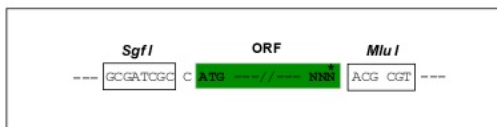
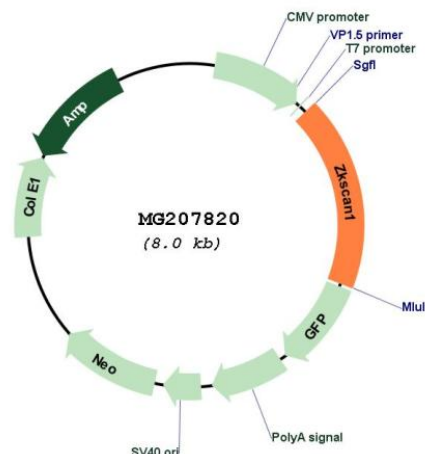
TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:


Plasmid Map:

ACCN: BC052441

ORF Size: 1466 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: [BC052441](#), [AAH52441](#)

RefSeq Size: 4687 bp

RefSeq ORF: 1466 bp

Locus ID: 74570

Cytogenetics: 5 G2

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