

Product datasheet for **RC238724**

ZKSCAN1 (NM_001287054) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZKSCAN1 (NM_001287054) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZKSCAN1
Synonyms:	KOX18; PHZ-37; ZNF36; ZNF139; ZSCAN33
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC238724 representing NM_001287054
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGGGGCAGGATTCCACCCTACAGGACACGCCTCCTCCAGACCAGAGATATTCGCCAACGCTTCA
 GCGCTTCTGTTACCAGAACACTTTTGGCCCCGAGAGGCTCTCAGTCGGCTGAAGGAACCTTTGTCATCA
 GTGGCTGCGGCCAGAAATAAACACCAAGGAACAGATCCTGGAGCTTCTGGTGCTAGAGCAGTTTCTTTCC
 ATCCTGCCAAGGAGCTCCAGGTCTGGCTGCAGGAATACCGCCCCGATAGTGGAGAGGAGCCGTGACCC
 TTCTAGAAGACTTGGAGCTTGATTTATCAGGACAACAGGTCCCAGGTCAAGTTCATGGACCTGAGATGCT
 CGCAAGGGGGATGGTGCCTCTGGATCCAGTTCAGGAGTCTCGAGCTTTGACCTTCATCACGAGGCCACC
 CAGTCCCCTTCAAACATTCGTCTCGGAAACCCCGCTTACAGTCACGAGCTTCTCTGCTGCCACA
 TTCTGCACCCCTCATGAGGTAGTCCCAGAGACCAGGCGATGGCATCTGCACTATTACAGCGGATTC
 CCAGGCAATGGTGAAGATCGAGGACATGGCTGTGTCCCTATTCTGGAGGAATGGGGATGTCAGAATCTG
 GCTCGGAGGAATCTCAGTAGGGACAACAGGCAGGAGAATTATGGGAGCGCATTTCCCGAGGTGGTGAAA
 ACAGGAATGAGAACGAGGAGTCAACCTCAAGGCTGAAACCTCGGAAGATTACAGCATCACGCGGGGAGAC
 AACAGGAAGATCCAGAAAGAGTTTGGAGAGAAACGTGACCAGGAGGGCAAAAACAGGAGAAAACAGCAG
 AAAAAACCTGAGGAGAAAACAGGAAAGAGAAAAGAGATTCAGGGCCAGCTATAGGAAAGGACAAAAAAA
 CCATCACAGGAGAGAGAGTCCAAGGGAGAAGGGAAAGGATTGGGAAGAAGCTTCAGTCTGAGCTCCAA
 CTTACCACCCCTGAAGAAGTCCCACGGGAACAAAGTCTCACAGATGTGATGAATGTGGTAAATGCTTC
 ACGAGAAGTTCAAGCCTTATCCGCCATAAAAATAATCCACTGGAGAAAAGCCCTATGAATGTAGTGAGT
 GTGGGAAAGCCTTCAGTCTTAACCTCAACCTTGTCTGCATCAGAGGATCCACACAGGAGAGAAAACCTCA
 TGAATGTAACGAGTGTGGCAAGGCCTTCAGCCACAGTTCCAATCTCATCCTCCATCAGCGCATCCACTCT
 GGAGAGAAACCTTATGAATGTAATGAGTGCAGGAAAGCCTTCAGCCAGAGCTCGGACCTACCAAGCATC
 AGAGAATCACACGGGGAGAAACCTATGAATGTAGTGAATGTGGAAAAGCTTTCAACCGAAACTCATA
 CCTGATTTGCATCGGAGAATTCACACTCGAGAAAAGCCCTACAAGTGCCTAAGTGTGGCAAGGCCTTC
 ACCCGCAGCTCCACCCTCACTCTGCATCACAGAATCCATGCCAGAGAGAGCCTCTGAGTACAGCCAG
 CCTCCCTGATGCATTTGGCGCTTCTGAAAAGTTGTGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238724 representing NM_001287054
 Red=Cloning site Green=Tags(s)

MWQDSTLQDTPPPDPEIFRQRFRRFCYQNTFGPREALSRLKELCHQWLRPEINTKEQILELLVLEQFLS
 ILPKELQVWLQEYRPDSGEEAVLLELLELDLSDGQVPGQVHGPEMLARGMVPLDPVQESSFDLHHEAT
 QSHFKHSSRKPRLLQSRALPAAHIPPAPHEGSPRDQAMASALFTADSQAMVKIEDMAVSLILEEWGCQNL
 ARRNLSRDNRQENYGSAPQGGENRNENEESTSKAETSEDSASRGETTGRSQKEFGEKRDQEGKTERQQ
 KNPEEKTRKEKRDSPAIKDKKITGERGPREKGLGRSFLSNFTTPEEVPVTGKSHRCDECGKCF
 TRSSSLIRHKIIHTGEKPYECSECGKAFSLNSNLVLHQRIHTGEKPHCEKNECGKAFSHSSNLILHQRIHS
 GEKPYECNECGKAFSSSDLTKHQRIHTGEKPYECSECGKAFNRNSYLILHRRIHRTREKPYKCTKCGKAF
 TRSSTLTLHHRIHARERASEYSPASLDAFGAFLKSCV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

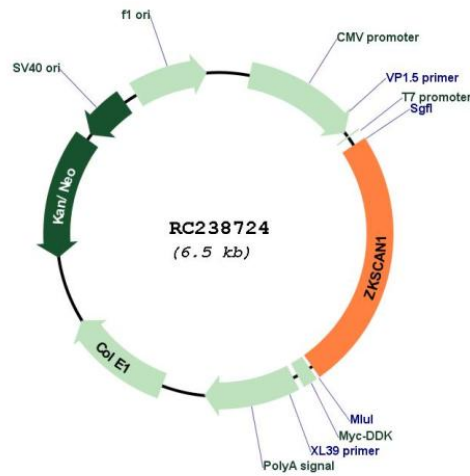
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_001287054
ORF Size:	1581 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:	<ol style="list-style-type: none">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_001287054.3
RefSeq Size:	9473 bp
RefSeq ORF:	1584 bp
Locus ID:	7586
Cytogenetics:	7q22.1
Protein Families:	Transcription Factors
MW:	60.1 kDa
Gene Summary:	This gene encodes a member of the Kruppel C2H2-type zinc-finger family of proteins. This encoded protein may function as a transcription factor that regulates the expression of GABA type-A receptors in the brain. Transcripts from this gene have been shown to form stable and abundant circular RNAs. Elevated expression of this gene has been observed in gastric cancer and the encoded protein may stimulate migration and invasion of human gastric cancer cells. [provided by RefSeq, Oct 2016]