

## Product datasheet for **RG238724**

### ZKSCAN1 (NM\_001287054) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZKSCAN1 (NM_001287054) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZKSCAN1
Synonyms:	KOX18; PHZ-37; ZNF36; ZNF139; ZSCAN33
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG238724 representing NM\_001287054.  
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGTGGGGCAGGATCCACCCTACAGGACACGCCTCCTCCAGACCAGAGATATTCGCCAACGCTTC
AGGCGCTTCTGTTACCAGAACACTTTTGGGCCCGAGAGGCTCTCAGTCGGCTGAAGGAACCTTTGTCA
CAGTGGCTGCGGCCAGAAATAAACACCAAGGAACAGATCCTGGAGCTTCTGGTGCTAGAGCAGTTTCTT
TCCATCCTGCCCAAGGAGCTCCAGGTCTGGCTGCAGGAATACCGCCCGATAGTGAGAGAGGAGGCCGTG
ACCCTTCTAGAAGACTTGGAGCTTGATTTATCAGGACAACAGGTCCAGGTCAAGTTCATGGACCTGAG
ATGCTCGCAAGGGGGATGGTGCCTCTGGATCCAGTTCAGGAGTCTCGAGCTTTGACCTTCATCACGAG
GCCACCCAGTCCCACCTTCAAACATTCGTCTCGAAACCCCGCTTTACAGTCACGAGCTTCTCTGCT
GCCACATTCCTGCACCCCTCATGAGGGTAGTCCAGAGACCAGGCGATGGCATCTGCACTATTCACA
GCGGATCCAGGCAATGGTGAAGATCGAGGACATGGCTGTGCCCTCATTCTGGAGGAATGGGGATGT
CAGAATCTGGCTCGGAGGAATCTCAGTAGGACAACAGGCAGGAGAATTATGGGAGCGCATTCCCCAG
GGTGGTAAAAACAGGAATGAGAACGAGGAGTCAACCTCAAAGGCTGAAACCTCGGAAGATTCAGCATCA
CGCGGGGAGACAACAGGAAGATCCAGAAAAGAGTTTGGAGAGAAAACGTGACCAGGAGGGCAAAACAGGA
GAAAGACAGCAGAAAAACCTGAGGAGAAAACAGGAAAGAGAAAAGAGATTGAGGGCCAGCTATAGGA
AAGGACAAAAAACCATCACAGGAGAGAGAGTCCAAGGGAGAAGGGGAAAGGATTGGGAAGAAGCTTC
AGTCTGAGCTCCAACCTCACACCCCTGAAGAAGTCCCACGGGAACAAAGTCTCACAGATGTGATGAA
TGTGGTAAATGCTTCACGAGAAGTTCAAGCCTTATCCGCCATAAAATAATCCACTGGAGAAAAGCCC
TATGAATGTAGTGAGTGTGGGAAAGCCTTCAGTCTTAACCTCAACCTTGTCTGCATCAGAGGATCCAC
ACAGGAGAGAAAACCTCATGAATGTAACGAGTGTGGCAAGGCCTCAGCCACAGTTCCAATTCATCCTC
CATCAGCGCATCCACTCTGGAGAGAAAACCTTATGAATGTAATGAGTGGGGAAGGCCTTCAGCCAGAGC
TCGGACCTCACCAAGCATCAGAGAAATCACACGGGGGAGAAAACCTATGAATGTAGTGAATGTGGAAAA
GCTTTCACCCGAACTACACTGATTTTGCATCGGAGAATTCACACTCGAGAAAAGCCCTACAAGTGC
ACTAAGTGTGGCAAGGCCTTACCCGAGCTCCACCCCTACTCTGCATCACAGAAATCCATGCCAGAGAG
AGAGCCTCTGAGTACAGCCAGCCTCCCTTGTGATGATTTGGCGGTTCTGAAAAGTTGTGTG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAAAC
```

**Protein Sequence:**

>Peptide sequence encoded by RG238724  
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MWGQDSTLQDTPPPDPEIFRQFRRFCYQNTFGPREALSRLKELCHQWLRPEINTKEQILELLVLEQFL
SILPKELQVWLQEYRPDSGEEAVTLLEDLELDL SGQVPGQVHGPEMLARGMVPLDPVQESSFDLHHE
ATQSHFKHSSRKPRLLQSRALPAAHIPAPPHEGSPRDQAMASALFTADSQAMVKIEDMAVSLILEEWGC
QNLARRNL SRDNRQENYGSAFPQGENRNENEESTSKAETSEDSASRGETTGRSQKEFGEKRDQEGKTG
ERQQNPEEKTRKEKRDSPAI GKDKKITITGERGPREKKGGLGRSFSLSNFTTPEEVPTGKSHRCDE
CGKCFTRSSSLIRHKI IHTGEKPYECSECGKAFSLNSNLVLHQRIHTGEKPHECNECGKAFSHSNLIL
HQR IHSGEKPYECNECGKAFSQSSDLTKHQRIHTGEKPYECSECGKAFNRNSYLILHRRIHRTREKPYKC
TKCGKAFTRSSTLTLHRRIHARERASEYSPASLDAFGAFLKSCV
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**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).

**RefSeq:** [NM\\_001287054.3](#)

**RefSeq Size:** 9473 bp

**RefSeq ORF:** 1584 bp

**Locus ID:** 7586

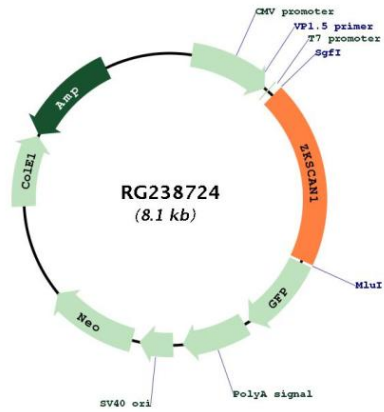
**Cytogenetics:** 7q22.1

**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]

Product images:



Circular map for RG238724