

Product datasheet for **RG237638**

ZKSCAN1 (NM_001287055) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZKSCAN1 (NM_001287055) 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)
ORF Nucleotide Sequence:	>RG237638 representing NM_001287055. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGCATCTGCACTATTCACAGCGGATCCCAGGCAATGGTGAAGATCGAGGACATGGCTGTGTCCCTC
ATTCTGGAGGAATGGGGATGTCAGAATCTGGCTCGGAGGAATCTCAGTAGGGACAACAGGCAGGAGAAT
TATGGGAGCGCATTTCAGGAGGTTGAAAACAGGAATGAGAACGAGGAGTCAACCTCAAAGGCTGAA
ACCTCGGAAGATTCAGCATCACGCGGGGAGACAACAGGAAGATCCAGAAAGAGTTGGAGAGAAACGT
GACCAGGAGGGCAAAACAGGAGAAAGACAGCAGAAAAACCCTGAGGAGAAAACAGGAAAGAGAAAAAGA
GATTCAGGGCCAGCTATAGGAAAGGACAAAAAACCATCACAGGAGAGAGAGGTCCAAGGGAGAAGGGG
AAAGGATTGGGAAGAAGCTTCAGTCTGAGCTCCAACCTCACACCCTGAAGAAGTTCCACGGGAACA
AAGTCTCACAGATGTGATGAATGTGGTAAATGCTTACAGAGAAGTTCAAGCCTTATCCGCCATAAAATA
ATCCCACTGGAGAAAAGCCCTATGAATGTAGTGTGGGAAAGCCTTCAGTCTTAACTCCAACCTT
GTCCTGCATCAGAGGATCCACACAGGAGAGAAACCTCATGAATGTAACGAGTGTGGCAAGGCCTTCAGC
CACAGTCCAATCTATCCTCCATCAGCGCATCCACTCTGGAGAGAAACCTTATGAATGTAATGAGTGC
GGGAAGGCCTTCAGCCAGAGCTCGGACCTACCAAGCATCAGAGAATTCACACGGGGGAGAAACCTAT
GAATGTAGTGAATGTGGAAAAGCTTTCAACCGAAACTCATACCTGATTTGCATCGGAGAATTCACACT
CGAGAAAAGCCCTACAAGTGCCTAAGTGTGGCAAGGCCTTACCCGCGAGCTCCACCTCACTCTGCAT
CACAGAAATCCATGCCAGAGAGAGAGCCTCTGAGTACAGCCAGCCTCCCTTGATGCATTTGGCGCGTTC
CTGAAAAGTTGTGTG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG237638
 Blue=ORF Red=Cloning site Green=Tag(s)

MASALFTADSQAMVKIEDMAVSLILEEWGCQNLARRNLSRDNRQENYGSAFPQGGENRNENEESTSKAE
 TSEDSASRGETTGRSQKEFGEKRDQEGKTGERQQKNPEEKTRKEKRDSPAIKDKKTTITGERGPKEG
 KGLGRSFLSSNFTTPEEVPTGKSHRCDECGKCFTRSSSLIRHKIIHTGEKPYECSECGKAFSLNSNL
 VLHQRIHTGEKPHCECNECGKAFSHSSNLILHQRIHSGEKPYECNECGKAFSQSSDLTKHQRIHTGEKPY
 ECSECGKAFNRNSYLILHRRIHTRKPYKCTKCGKAFTRSTLTLHHRIHARERASEYSPASLDAFGAF
 LKSCV
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001287055

ORF Size: 1050 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).

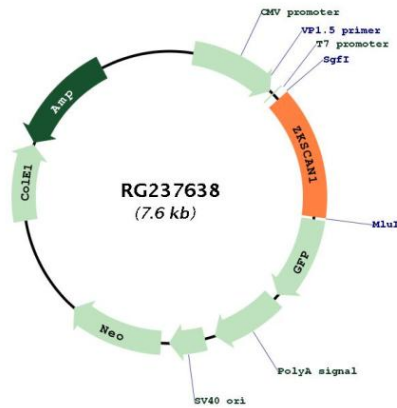
RefSeq: [NM_001287055.2](#)

RefSeq Size: 8776 bp

RefSeq ORF: 1053 bp
 Locus ID: 7586
 Cytogenetics: 7q22.1
 Protein Families: Transcription Factors
 MW: 39.8 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 RG237638