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Product datasheet for RC237638

ZKSCAN1 (NM_001287055) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZKSCAN1 (NM_001287055) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZKSCAN1
Synonyms:	KOX18; PHZ-37; ZNF36; ZNF139; ZSCAN33
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC237638 representing NM_001287055
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCATCTGCACTATTCACAGCGGATTCCCAGGCAATGGTGAAGATCGAGGACATGGCTGTGTCCCTCA
TTCTGGAGGAATGGGGATGTCAGAATCTGGCTCGGAGGAATCTCAGTAGGGACAACAGGCAGGAGAATTA
TGGGAGCGCATTTCCCCAGGGTGGTGAAAACAGGAATGAGAACGAGGAGTCAACCTCAAAGGCTGAAACC
TCGGAAGATTCAGCATCACGCGGGGAGACAACAGGAAGATCCCAGAAAGAGTTTGGAGAGAAACGTGACC
AGGAGGGCAAAACAGGAGAAAGACAGCAGAAAAACCCTGAGGAGAAAACCAGGAAAGAGAAAAGAGATTC
AGGGCCAGCTATAGGAAAGGACAAAAAAACCATCACAGGAGAGAGAGGTCCAAGGGAGAAGGGGAAAGGA
TTGGGAAGAAGCTTCAGTCTGAGCTCCAACTTCACCACCCCTGAAGAAGTTCCCACGGGAACAAAGTCTC
ACAGATGTGATGAATGTGGTAAATGCTTCACGAGAAGTTCAAGCCTTATCCGCCATAAAATAATCCACAC
TGGAGAAAAGCCCTATGAATGTAGTGAGTGTGGGAAAGCCTTCAGTCTTAACTCCAACCTTGTCCTGCAT
CAGAGGATCCACACAGGAGAGAAACCTCATGAATGTAACGAGTGTGGCAAGGCCTTCAGCCACAGTTCCA
ATCTCATCCTCCATCAGCGCATCCACTCTGGAGAGAAACCTTATGAATGTAATGAGTGCGGGAAGGCCTT
CAGCCAGAGCTCGGACCTCACCAAGCATCAGAGAATTCACACGGGGGAGAAACCCTATGAATGTAGTGAA
TGTGGAAAAGCTTTCAACCGAAACTCATACCTGATTTTGCATCGGAGAATTCACACTCGAGAAAAGCCCT
ACAAGTGCACTAAGTGTGGCAAGGCCTTCACCCGCAGCTCCACCCTCACTCTGCATCACAGAATCCATGC
CAGAGAGAGAGCCTCTGAGTACAGCCCAGCCTCCCTTGATGCATTTGGCGCGTTCCTGAAAAGTTGTGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

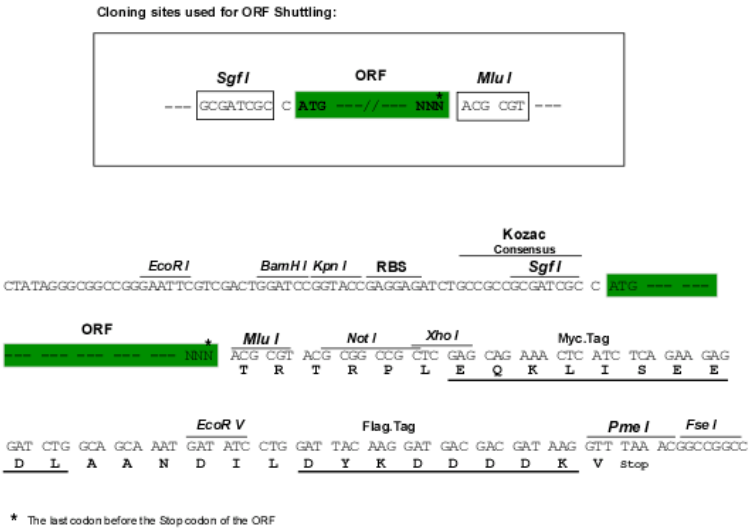
>RC237638 representing NM_001287055
Red=Cloning site Green=Tags(s)

MASALFTADSQAMVKIEDMAVSLILEEWGCQNLARRNLSRDNRQENYGSAFPQGGENRNENEESTSKAET
SEDSASRGETTGRSQKEFGEKRDQEGKTGERQQKNPEEKTRKEKRDSGPAIGKDKKTITGERGPREKGKG
LGRSFSLSSNFTTPEEVPTGTKSHRCDECGKCFTRSSSLIRHKIIHTGEKPYECSECGKAFSLNSNLVLH
QRIHTGEKPHECNECGKAFSHSSNLILHQRIHSGEKPYECNECGKAFSQSSDLTKHQRIHTGEKPYECSE
CGKAFNRNSYLILHRRIHTREKPYKCTKCGKAFTRSSTLTLHHRIHARERASEYSPASLDAFGAFLKSCV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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).

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: NM_001287055.2

RefSeq Size: 8776 bp

RefSeq ORF: 1053 bp

Locus ID: 7586

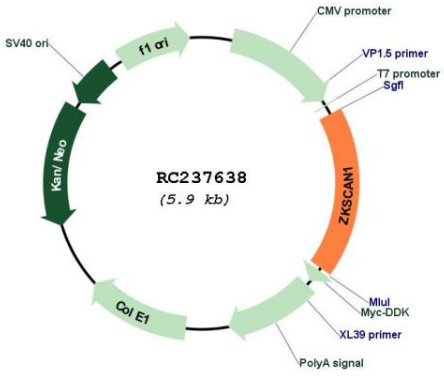
Cytogenetics: 7q22.1

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 RC237638